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SIMPSON'S GARDEN & FARM BOOK

SPRING 1931



THE KIWANIAN

A sensational new Dahlia of the Peony type. Among its numerous excellent qualities is its distinctive long, wiry stems, ranging from 18 to 24 inches, yet holding the flower in perfect poise. The plant is a strong, vigorous grower, with numerous side branches. Flowers are large and perfect in form, measuring 8-9 inches normally. Disbudded it will reach 11-12 inches. Among the very best of the Peony type. Color, rich American Beauty red, shading to purple red. This Dahlia was honored in name by the Kiwanians of Golden, Colo., at a banquet held August 25, 1925. This honor in itself is an all-sufficient indorsement of its excellent qualities. Height, 5 feet. 75¢ each.

For other choice Dahlias, our selection from hundreds of varieties, see pages 22 and 23.

SIMPSON SEED & FLORAL CO.

1551 Champa Street

Phone MAin 2778

Denver, Colo.

THE WONDERFUL

CHINESE ELM { *Ulmus Pumila* }

(SOMETIMES CALLED SIBERIAN ELM)



A street planting of Chinese Elm (*Ulmus Pumila*). Trees are seven years old, forty feet high, ten inches in diameter.

The CHINESE ELM is the best tree for shade and ornamentation in the whole list. It is the most rapid grower and has more to recommend it than any tree we know of. It is not unusual for the CHINESE ELM to attain a height of 45 feet, with a trunk circumference of 35 inch (10 inches diameter) within seven years. The branches are slender and wiry, with narrow, pointed leaves, giving the tree a beautiful, feathery appearance. It is one of the earliest to leaf out in the spring and the last to shed its leaves in the fall.

Being a native of Siberia, the CHINESE ELM will survive the coldest climatic conditions. Its smooth bark resists the action of insects and borers, and it has readily established itself under conditions of drought and alkali soil. Unlike the other elms, it is remarkably free from the usual plant diseases.

	Each	Per 10
4 to 5 foot.....	\$1.00	\$ 9.00
5 to 6 foot.....	1.25	11.00
6 to 8 foot.....	1.50	13.00
8 to 10 foot.....	2.00	18.50
1 to 1½ inch diameter.....	3.00	27.50
1½ to 2 inch diameter.....	4.50	42.50
2 to 2½ inch diameter.....	6.50	62.50
2½ to 3 inch diameter.....	8.50	82.50

5 or more sold at the 10 rate.

SEEDLING TREES suitable for windbreaks, \$14.00 per 100 in lots of 25 or more.

See page 28 for other beautiful trees.

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VEGETABLE SEEDS

SAVE and have! It has been said that anyone can make money, but very few know how to spend it. And we must eat to live; thus you can buy wisely and live well by planting a vegetable garden and supplying your table with fresh, crisp vegetables; the space required is small, the cost of seed little and the returns in pleasure and profit are big. Order your seeds now, so you will have them on hand when planting time arrives.

BEANS

We Pay Postage
on Beans

One pound will plant 100 feet of drill.

CULTURE. Cover the seed one and one-half to two inches deep and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of two weeks till mid-summer. The plants up to the time of blossoming should have frequent shallow cultivation.

Use Nitragin Inoculating Bacteria to increase Bean crops. Trial size 25c; $\frac{1}{2}$ bu. size 40c; 1 bu. size 60c; acre size 90c postpaid.

Bush Green Pods

Burpee's Stringless Green Pod. Earliest, most hardy and absolutely stringless. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.85.

Long Yellow Six Weeks. Early, long podded variety, good producer, tender and brittle. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.85.

Giant Stringless Green Pod. Extra long, brittle pods. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.85.

Ex. Ea. Red Valentine. Round, fleshy pods. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.85.

Dwarf Horticultural. Excellent for green or shell beans. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.85.

Bountiful Stringless. Good market variety. Pkt. 5c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; lb. 40c; 5 lbs. \$1.85.

Fordhook Bush Lima. Does well in light soil. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.60.

Henderson's Bush Lima. Smaller than regular Lima but better producer in this territory. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.50.

Pole or Running Varieties

Kentucky Wonder. King of all Pole Beans. Long, stringless pods in great abundance. Green. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.60.

Kentucky Wonder Wax. Yellow pod variety equal to Kentucky Wonder. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.60.

Lazy Wife. White seed, green pod, stringless. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 30c; 5 lbs. \$1.40.

Dutch Case Knife. Old time favorite. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.60.

Scarlet Runner. A rapid-growing, red-flowered climber. Pkt. 5c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; lb. 45c.

Pied Beans. See page 13.

ARTICHOKE

One ounce will sow 100 feet of row, and produce about 500 plants. A deep, rich, sandy loam is best adapted to this plant. Complete cultural directions will be furnished with each order.

Improved Large Green Globe. Heads large, fleshy and of rich flavor. Cooks up nicer than usual because of fine grained flesh. Pkt. 10c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

ASPARAGUS

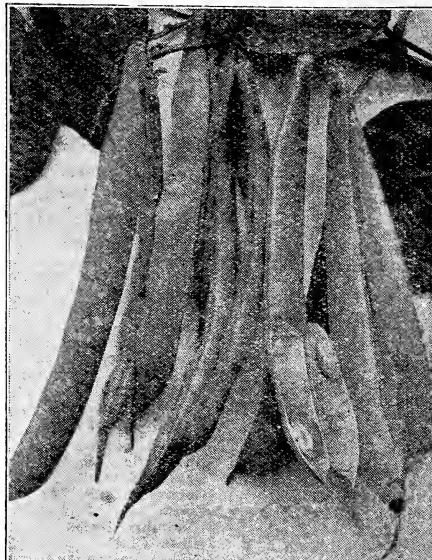
One ounce will sow 50 feet of row and produce about 800 plants. Complete cultural directions with each order. Every fall, after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. As Asparagus is a salt water plant, an occasional top-dressing of salt at the rate of $\frac{1}{2}$ pound to the square yard is also beneficial and keeps down the weeds.

Early Giant Argenteuil. True green. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Mary Washington. Rust resistant. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.25 postpaid.

Palmetto. Earlier than Conover's. Of southern origin, but suitable for the north also; large, productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. \$1.00.

Asparagus Roots See page 57.



Burpee's Stringless Green Pod

Bush Wax Pods

Improved Golden Wax. Pods broad and flat and very abundant. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00.

Dwarf Black Wax. Deep yellow pods, crisp and brittle. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00.

Davis White Wax. Favorite with market gardeners, makes good shell bean. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00.

Brittle Wax or Kidney Wax. Favorite for canning. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00.

Golden Cluster Wax. Similar to Golden Wax above. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00.

BEETS—Table Varieties

CULTURE. Beets require a deep, rich, mel-low soil, and may be sown from early spring to commencement of summer. Drop about an inch deep in drills 12 to 18 inches apart. One ounce to 60 feet of drill; 6 to 8 lbs. to the acre. When well up thin to from 3 to 4 inches apart. The young beets pulled out of the row are excellent when used as spinach. **All Postpaid.**

Detroit Dark Red. Favorite Beet for table or canning. Deep, blood red throughout. Tender and fine flavor. **Pkt. 5c; oz. 10c; 1/4 lb. 35c; lb. \$1.10.**

Early Blood Red Turnip. Turnip Beet. Early variety, tender and second to above. **Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.**

Early Eclipse. Globular shape, early and tender. **Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.**

Ex. Early Egyptian. Earliest of Beets. Larger than most varieties but not as tender. **Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.**

Long, Smooth Blood. Best long beet grown. Late variety, hence good for second crop. **Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.**

Swiss Chard or Foliage Beet. More desirable than Spinach for greens. Leaves are broad, flat and green with white stem. **Pkt. 5c; oz. 10c; 1/4 lb. 35c; lb. \$1.00.**

Sugar and Stock Beets. See page 13.



Detroit
Dark Red
Beet

BRUSSELS SPROUTS

A very delicate vegetable and deserves a more general cultivation than they receive. The plant belongs to the Cabbage family and should be grown and cultivated like Cabbage. The "sprouts" which grow around the strong, upright stems of the plant look like miniature cabbages. Very hardy, improved by frost. One ounce will produce 2,000 plants.

Half-Dwarf Improved. Bearing a large crop of small, solid, tender heads. **Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$1.75.**

CABBAGE

Have you ever made any Sauerkraut or Liberty Cabbage? It is easy to make, and we will be glad to tell you how. It sure will taste good to you next winter.

CULTURE. One ounce of good seed will produce 2,000 plants. For early Cabbages sow the seed in a hotbed in March or April, covering the seed from one-quarter to one-half inch deep and when big enough transplant to another bed. As soon as the ground is in good condition, transplant outside in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crops the seed can be sown in a cold frame or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of saltpeter dissolved in 3 gallons of rain water, sprinkled over the Cabbage or Cauliflower will destroy the green worm. The liquid being clear does not color the Cauliflower or Cabbage heads. Fine air-slacked lime or tobacco dust sifted on the young plants as soon as the fleas appear on the ground will prevent them from doing harm.

Earliest Varieties

Copenhagen Market. The earliest round head, short stem Cabbage offered today. The heads are even in size of about 8 lbs. average and will stand longer than other early varieties without bursting. **Pkt. 5c; oz. 40c; 1/4 lb. \$1.25; lb. \$4.00.**

Early Jersey Wakefield. Cone shaped heads maturing from late in June to July. **Pkt. 5c; oz. 25c; 1/4 lb. 90c; lb. \$2.50.**

Early Winningstadt. But little later than Wakefield. Heads round and solid. **Pkt. 5c; oz. 30c; 1/4 lb. 75c; lb. \$2.50.**

Glory of Enkhuisen. Medium early, solid round heads. **Pkt. 5c; oz. 40c; 1/4 lb. \$1.25; lb. \$4.00.**

Early Dwarf Flat Dutch. One of the most reliable headers. Medium early. Can be planted close on account of absence of "wing leaves." **Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.**

All Seasons. Good variety for kraut. **Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.**

Second Early or Round Headed

Premium Late Flat Dutch. Favorite for late crop. Makes enormous size and uniform, solid heads. **Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.**

Danish Ballhead or Hollander. Hardest heading variety known. One of the best keepers. **Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.**

Mammoth Red Rock. Largest heading Red Cabbage. Fully as large as Flat Dutch and fine grained. **Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.**



Copenhagen Market
Cabbage

CARROTS

One ounce will sow 100 feet of drill; 3 to 4 lbs. for an acre.

CULTURE. Carrots may be sown in hot-beds in February for early use. In open ground from March to first of July; however, main crop will produce best results if sown from first of May to first of July. Thin out early plantings to 5 inches apart in the row and main crop 6 to 8 inches apart. The rows should be 10 inches apart for early crop and 15 to 18 inches for main crop. Cultivation should be carefully performed to keep down the weeds and deep hoeing between the rows will give a large increase in the crop. Sow from 2 to 3 pounds to the acre. Carrot tops, cut from young plants, may be used for garnishing.

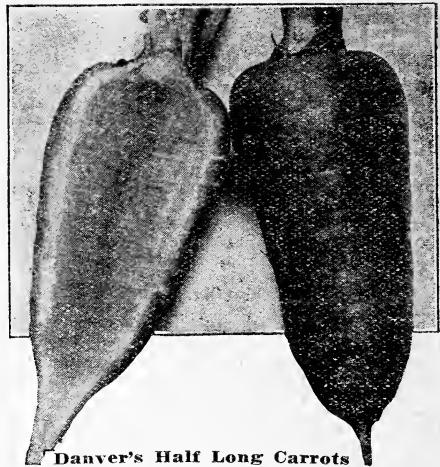
Ox Heart, or Guerande. Especially desirable for clay soil. Root is short and thick and flesh is bright orange in color. Heart is tender and not woody. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Danver's Half Long. One of the leading varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Chantenay. Medium early and very productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. \$1.00.

Improved Long Orange. Good in light, sandy soil. Larger than other late varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Early Scarlet Horn. Extra early and for that reason recommended for market. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.



Danver's Half Long Carrots

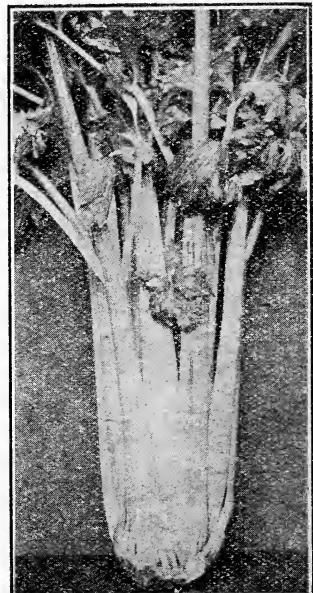


Early Snowball Cauliflower

CAULIFLOWER

One ounce will produce 3,000 plants. Cultural directions for Cabbage apply for this crop, but the soil should be more heavily manured. Keep ground well hoed, and bring earth gradually up to stems. Water freely, especially when they begin to head. Never allow plants to become crowded in seed-bed; transplant them with great care, as any check will injure, if not prevent formation of the head. For late Cauliflower set plants in a cool, moist place. When heads form, the long leaves should be drawn over and tied above them, to keep off sun and rain. **Henderson's Early Snowball.** One of the best types on the market. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. A sure header. Pkt. 15c; $\frac{1}{4}$ oz. 75c; oz. \$2.25; 2 ozs. \$4.00; $\frac{1}{4}$ lb. \$7.00.

Early Paris. Medium size. Pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. 80c; $\frac{1}{4}$ lb. \$2.50; lb. \$8.00.



CELERY

One ounce will produce from 5,000 to 10,000 plants.

CULTURE. The conditions necessary for successful Celery cultivation are good seed, plenty of manure and complete fertilizers, moisture and cultivation. The most suitable soil is rich loam, finely pulverized and highly enriched with 30 to 40 loads to the acre of good stable manure. Sow seed in boxes for early planting; later plants may be produced from seeds sown in frames or open ground. Transplant 4 inches apart when 3 inches high, water and protect until well rooted, then transplant into rows for garden culture 18 inches to 2 feet apart, for field culture in rows 4 to 6 feet apart; set the plants from 8 to 12 inches apart, supply plenty of moisture and see that plants receive thorough cultivation. They may be set either on the surface or in well manured trenches 1 foot in depth. To blanch draw earth around the plants, being careful not to cover the tops of the center shoots.

Giant Pascal. By far the most popular Celery. Medium to small size, but wonderfully well flavored. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 80c; lb. \$2.50.

Golden Self Blanching. Blanches easily and larger than Pascal. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.50; lb. \$9.00.

CELERIAC

(Turnip-Rooted Celery)

CULTURE. Grown mostly for its bulbous roots. Seeds are started and plants set out in the same way as advised for Celery. Celeriac is not usually blanched, but is very fine when thus treated, and much hardier than the stalk Celeries.

Large, Smooth Prague. An improved form of turnip-rooted Celery; round, smooth roots with very few side roots.

Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Giant Pascal Celery

CHICORY

CULTURE. Sow in May or June in drills, thin out to 6 inches apart, treat like Endive until end of summer, when it should be banked up like Celery. The blanched stocks are used as a salad. It is also a boiled vegetable and served in the same way as Cauliflower.

Witloof. The best variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

CHIVES

Resembles the Onion in growth and family. Used largely as salad and for flavoring, especially soups. Can be cut repeatedly during the growing season. Grown also in pots in windows. Pkt. 10c; roots 20c bunch, 3 for 55c, postpaid.

COLLARDS

CULTURE. Sow seeds as for Cabbage, at intervals of about 3 weeks during May, June and July, transplanting at one month to rows 3 feet apart, leaving 2 feet between plants. The leaves are highly esteemed as greens.

True Georgia. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

CORN SALAD

CULTURE. Sow during August and September in drills $\frac{1}{4}$ inch deep and 6 inches apart. Keep weeds down. Just before winter cover thinly with leaves or straw.

Large Round-Leaved. Matures in four or five weeks. Sow two ounces to 100 feet of drill. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

CRESS

Curled or Peppergrass. This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Water Cress. This variety succeeds only in damp soils on the border of ponds or streams, or where its roots are partially submerged in water. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

CUCUMBERS

CULTURE. One ounce will plant 100 hills; 2 pounds will plant an acre. Plant in hills 4 feet apart each way. Leave four of the strongest plants to each hill.

Improved Long Green. Pickle when small and unexcelled for slicing when matured. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

White Spine. Early, prolific and continuous bearer. One of the most popular varieties. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.10.

Early Frame. Fruit straight and smooth. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.10.

Davis Perfect. Excellent for forcing under glass; also for outdoor culture. Medium in size. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Boston Pickling. Best pickling variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Early Cluster. Medium to small; produced in clusters. Tender and well flavored. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Japanese Climbing. Is grown on trellis. Makes an excellent cover for fence or porch while producing edible variety of fruit. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



Long Green

Eggplant

One ounce will produce 2,000 plants.

A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well enriched, warm soil is necessary to perfect the fruit. Transplant to 3 feet apart each way, and when about a foot high support the plants by drawing the earth up around them.



New York Eggplant
New York Improved Purple. Fruit large, fine and free from thorns, and produces until frost; skin rich purple. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

ENDIVE

One ounce will sow 150 feet of drill. Sow in any ordinary dry soil in drills 1 foot apart, covering lightly. When the plants are about 2 inches high, thin to about 12 inches in the row. When the plants have attained full size, gather up the leaves and tie together at the tips. The inner leaves, in the course of three or four weeks, will become beautifully blanched.

Green Curled. Finely curled, dark green leaves; excellent plant. Not only most useful as a salad, but much used for garnishing. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Broad Leaved Batavian (Escarole). Leaves are broad and nearly plain; chiefly used in stews and soups. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

GARLIC SETS

Garlic sets or bulbs are planted from September to March in rows 12 inches apart, placing the sets 4 inches apart in the rows, 2 inches deep. $\frac{1}{4}$ lb. 15c; lb. 35c; 2 lbs. 65c postpaid.

HERBS

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. A very small space will give all the herbs needed by a family. Culture is very simple; the best way is to make seed-bed in the early spring and set the plants out in beds.

All varieties in 5c, 10c and 25c packages.

Anise. Used for flavoring.

Caraway. Seeds used in seasoning.

Catnip. Leaves used for tea.

Coriander. Seeds used for seasoning.

Dill. Used for seasoning pickles.

Horehound. Very useful for curing coughs.

Lavender. Leaves very fragrant.

Rosemary. Leaves very fragrant.

Rue. A medicinal plant.

Saffron. Used for flavoring.

Sage. A highly aromatic herb; most useful of all.

Savory, Summer. Leaves and shoots used for seasoning.

Sorrel. Used in soups and salads.

Sweet Basil. Leaves used for flavoring.

Sweet Fennel. Seeds aromatic.

Thyme. Used as a seasoning.

Wormwood. Has medicinal qualities. A splendid plant for poultry.

Horseradish Roots

No home garden is complete without them. 25c doz., postpaid; 100 for \$1.00.

KALE or BORECOLE

One ounce will produce 2,000 plants;
4 pounds to the acre.

CULTURE. Sow from the middle of April in hotbeds; transplant in June and treat same as Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and much more would be grown if its excellent qualities were generally known. Drill in rows of $2\frac{1}{2}$ feet and thin to 6 to 10 inches. The varieties are extremely hardy.

Dwarfed Curled Green. Extensively grown as winter greens. Sow in autumn in rows 1 foot apart and treat as Spinach. Plants very hardy, 4 to 6 inches high. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.**

Tall Curled Scotch. Grows about 18 inches in height and spreads, sometimes reaching 3 feet in diameter. Desirable for winter use. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.**

KOHL-RABI

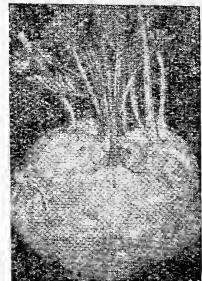
A plant forming a firm bulb above the ground and bearing short leaves. The bulb is the edible part, and when cooked tastes very much like turnip. If the seed is sown early the young bulbs will be ready for use in spring, and a planting in July will secure good vegetables for fall use. The seed should be planted in the open garden in 18-inch rows and the young plants thinned to four or six inches. It does not transplant well, unless when very small.

Early White Vienna. The most desirable variety for general use.

It is very early and has small tops. Color light silvery green.

Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Early Purple Vienna. Has a bright purple bulb. The leaf and stems are green and tinged with purple. **Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.**



Kohl-Rabi

LEEK

One ounce will plant 200 feet of drill;
4 pounds to the acre.

CULTURE. Leek is very hardy and very easily cultivated. Sow early in spring in rich soil $\frac{1}{2}$ inch deep, in drills 1 foot apart. When 6 inches high, transplant in rows 10 inches apart each way; as deep as possible, so that the neck, being covered, may be blanched.

Large London Flag. The oldest and best known and most largely grown variety. **Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.**

LETTUCE

CULTURE. Sow in hotbed or boxes in February or March and in open ground as soon as it can be worked; transplant to rows 8 inches apart both ways. Extra rich, mellow soil, high cultivation and moisture are demanded by lettuce to secure best results. Lettuce is hardy and makes better growth when mercury is below 60 degrees; when above 75 degrees the plant is soon drawn out of shape. A succession of plantings at intervals of two weeks after first outdoor planting is desirable. In August any of the varieties can be sown either outdoors or in frames. In October, Grand Rapids and Denver Market may be planted in frame to head in winter. Always sow seed thin and then thin out plants to stand from 6 to 8 inches apart in row. Lettuce requires good soil, carefully enriched with well rotted manure and well pulverized to secure the best results. For hotbed and very early sowing, we especially recommend Big Boston, Grand Rapids, Early Curled Simpson and Black Seeded Simpson.

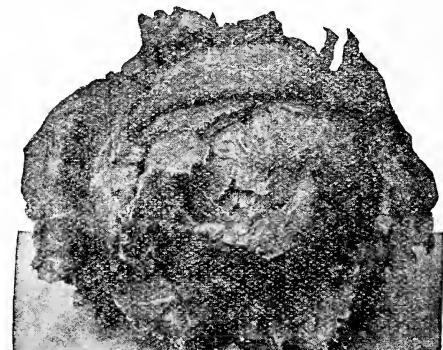
Loose or Cutting Varieties

Black Seeded Simpson. One of the best leaf varieties. Leaves are fluffy but not crinkled. Tender and sweet. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Simpson's Early Curled. Crisp and tender. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Grand Rapids. Popular because of large bunches. Leaves are rather smooth with frilled edges. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Denver Market. Semi-head. Wrinkled leaves. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**



California Cream Butter Lettuce

Heading Varieties

California Cream Butter. Large, rich, creamy heads. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

May King. Extra large, solid heads, green outside but cream colored within. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Paris White Cos. Distinct from other varieties. Leaves long and straight but when tied up heads nicely. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Prize Head. Not really a heading variety, though usually so catalogued. Leaves are red edged. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Hanson's Improved. Favorite with market gardeners. Heads easily if not grown too close together. **Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.**

Iceberg. Leaves have a tendency to turn in, hence sure to head. Tender and crisp. **Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c; 1 lb. \$1.50.**

MUSKMELONS

One ounce to 60 hills; 3 pounds to acre.

CULTURE. A rich, deep, sandy soil well worked and highly manured is of the utmost importance. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way; scatter a dozen seeds to a hill and afterwards thin out to 3 or 4 plants. Cantaloupes and Cucumbers are often destroyed by lice and should be well sprinkled with slug shot when the plants appear. When they have 4 leaves, pinch off the end of the main shoots, which will cause lateral branches to put forth sooner and strengthen the growth of the vines.

Burrell's Gem. An orange fleshed Rocky Ford. Fine grained and spicy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Rocky Ford. Oval shaped, of netted type. Green flesh of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Emerald Gem. One of the earliest. Green skin and salmon flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 80c.

Hackensack. Ribbed variety, large and round. Good market variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. \$1.00.

Netted Nutmeg. Medium size, early, green flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

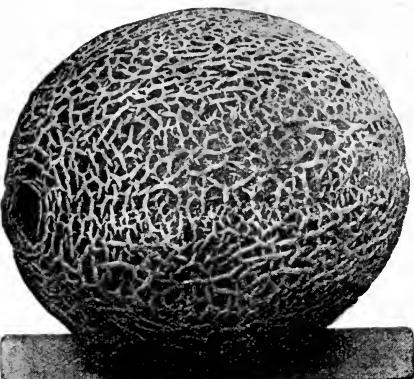
Osage, or Miller's Cream. Pink fleshed, spicy flavor. Very heavy producers. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Casaba or Large Persian. Long, oval shape. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Honey Dew Melon. Comparatively new type of melon. Flesh is deep green, unusually sweet and will keep 3 to 5 months after ripe. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.30.

Greeley Wonder. Salmon flesh with thick meat. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.50.

Honey Ball. Earlier than Honey Dew and smaller. Green meat with greenish-white skin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.50.



Burrell's Gem

WATERMELONS

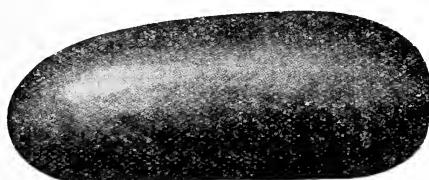
Selected Strains of the Choicest and Best Varieties

One ounce to 60 hills; 4 or 5 pounds to the acre.

CULTURE. The culture of the Watermelon is very similar in all respects to that of the musk varieties, being hardier and of more vigorous habit. However, it may be planted in May, before settled warm weather appears, in hills not less than eight feet apart, and thinned to two vines per hill.

Kolb's Gem. The best shipping melon. Rind thin but tough. Striped, slightly oval and of good size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Rocky Ford. Oblong, green rind, superb flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.



Tom Watson Melon

MUSTARD

When young the leaves are used for salad, which, although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 5 feet of drill.

Mammoth Southern Curled. The large, curled leaf variety, popular in the South, where the seed is sown in the fall for spring use. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 60c.

Brown or Black. More pungent in flavor than the white. Seed black. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c.

Tom Watson. A large melon, oblong and green with thick netting on entire surface. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Kleckley's Sweet. Early, medium sized and very sweet. Skin dark green, flesh bright red. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Mountain Sweet. Long, green type. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Georgia Rattlesnake. Sometimes called "Gypsy." Very large and good shipper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Kansas Stock, or Colorado Preserving. A boon to dry farmers. Often weighs 60 to 70 lbs. Will keep all winter and can be fed to stock all winter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

OKRA

CULTURE. Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. Soil should be well manured. Plants may also be raised in pots or hotbed and transplanted.

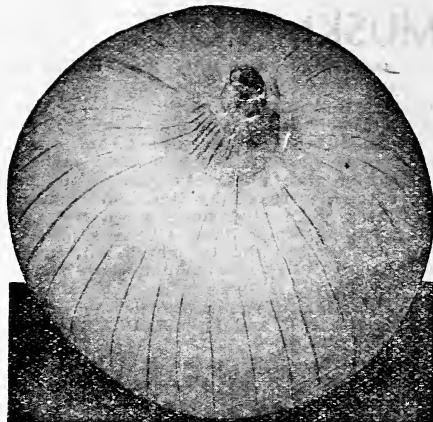
White Velvet. Of tall growth, pods never prickly to touch, being always round and smooth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Early Dwarf Prolific. Grows low, but stocky and is very productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

ONIONS

One ounce of Onion Seed for 200 feet of drill;
4 to 5 pounds for an acre.

CULTURE. Onions must have a clean and very rich soil. A good loam, previously cultivated for two years, is the best. The land should be highly fertilized with well-rotted manure and fertilizers. Fresh stable manure has a tendency to produce soft, unsalable onions. Sow in drills 1 foot apart as soon as the ground can be worked in the spring. Thin plants to 3 or 4 inches apart, using rake and hoe frequently to keep down the weeds. The finest onions are produced by sowing seed in hotbeds in February and March and transplanting seedlings to the open ground in rows where they are to mature. Onions require a very high culture, and weeds soon choke them out if permitted to grow. Bottom sets are little onions, grown the previous year; when set out in the spring they soon form large onions. If you wish to grow onion sets, use 70 to 80 pounds of seed to the acre, drilled in very thick.



Mountain Danver's Globe. The earliest and longest keeping Yellow Globe Onion. A full month earlier in maturing than most varieties, and one of the heaviest yielding. Frequently produces one thousand bushels to the acre.
Pkt. 5c; oz. 25c; 1/4 lb. 65c; lb. \$1.95; 5 lbs. \$8.75.

Mountain Sweet Spanish. This onion is selected for its keeping qualities from the Riverside Sweet Spanish. It forms a large yellow globe with sweet flesh.
Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; lb. \$2.50; 5 lbs. \$11.00.

Yellow Globe Danvers. Brownish-yellow skin with mild flavor. A very excellent variety.
Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$1.75.

Prizetaker. Heavy yielder on account of immense size. Skin pale straw color, flesh white and mild.
Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

Silver King or White Portugal

Large Red Weathersfield. Best red variety. By far the finest strain of red onions.
Pkt. 5c; oz. 15c; 1/4 lb. 45c; lb. \$1.35.

Southport Red Globe. Matures slightly ahead of Weathersfield.
Pkt. 5c; oz. 15c; 1/4 lb. 45c; lb. \$1.35.

Silver Skin, or White Portugal. Medium sized, rather flat. Our strain is particularly excellent.
Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$1.50.

White Barletta Pickling. Best pickling onion.
Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$1.50.

Onion Sets

Yellow, White or Red Bottom Sets.
1/4 lb. 10c; 1/2 lb. 15c; 1 lb. 25c; 1/4 bu. \$1.25.

PARSLEY

One ounce of seed for 150 feet of drill.

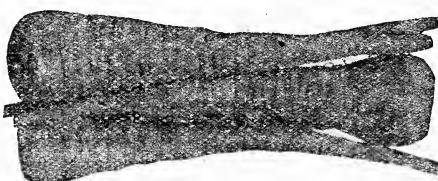
CULTURE. Soak the seed in warm water for several hours, and sow in border or frame; thin the row or transplant to another bed. If to be carried late into the fall, set 8 inches apart both ways, and cover with litter. It will go through the winter with moderate protection. Make open ground sowing in April.

Moss Curled. A choice selected strain with beautifully crimped and curled bright-green leaves.
Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 80c.

PARSNIPS

One ounce for 200 feet of drill; 5 to 6 pounds for an acre.

CULTURE. Sow as early in the spring as the ground can be worked, in drills 18 inches apart. Only rich soil should be used and the ground should be thoroughly and deeply cultivated before sowing seed. Thin to 6 or 8 inches apart in the rows. Hoe and cultivate frequently to keep the weeds down.



Improved Hollow Crown. The best variety for market or home garden.
Pkt. 5c; oz. 10c; 1/4 lb. 30c; 1 lb. 90c.

Improved Guernsey. Roots not so long as Hollow Crown, but of greater diameter and more easily gathered.
Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. 90c.

Hollow Crown Parsnips

PEPPER

One ounce will produce 1,500 plants.

Sweet Bell or Bull Nose. Early and productive, remaining green a long time.
Pkt. 5c; 1/2 oz. 25c; oz. 40c; 1/4 lb. \$1.20; lb. \$4.25.

Chinese Giant, Selected. The largest of all.
Pkt. 5c; oz. 35c; oz. 50c; 1/4 lb. \$1.75; lb. \$5.25.

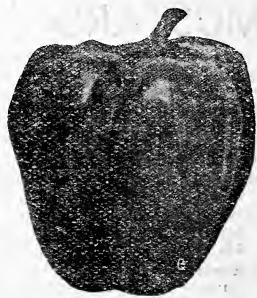
Long Slim Red Cayenne. Bright red.
Pkt. 5c; 1/2 oz. 25c; oz. 45c; 1/4 lb. \$1.35; lb. \$4.00.

Ruby King. Popular for stuffing.
Pkt. 5c; 1/2 oz. 25c; oz. 45c; 1/4 lb. \$1.35; lb. \$4.25.

Ruby Giant. Somewhat larger than Ruby King.
Pkt. 5c; 1/2 oz. 25c; oz. 45c; 1/4 lb. \$1.35; lb. \$4.25.

Pimento. Used for pickling and salads.
Pkt. 5c; 1/2 oz. 20c; oz. 35c; 1/4 lb. \$1.10; lb. \$3.75.

Red Chili. Used in making chili.
Pkt. 5c; 1/2 oz. 35c; oz. 50c; 1/4 lb. \$1.50; lb. \$4.50.



Ruby King Pepper

PEAS

One pound will plant 100 feet of drill; 60 pounds to acre.

CULTURE. Peas are among the first seeds that are planted in spring and need rich, well-manured soil. Sow in drills 3 feet apart and repeat until the first of July, with the exception of our Extra Early, which can be sown as late as August, on account of its early ripening and mildew resistance. The number of Peas may vary from 10 to the foot for the dwarf varieties to 8 to the foot of the medium tall and 6 to the foot of the very tall kinds.

American Wonder. 1 ft. Matures in 50 days. Bears its crop quickly and is out of the way for other crops on same ground. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c; 2 lbs. 55c.

Dwarf Telephone. 2 $\frac{1}{2}$ ft. Pods larger than Am. Wonder. Well flavored and productive. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c; 2 lbs. 55c.

Telephone (Pole). 3 $\frac{1}{2}$ ft. Best of the pole varieties. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c; 2 lbs. 55c.

Yorkshire Hero. 2 $\frac{1}{2}$ ft. Hardy kind of good flavor. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c.

Champion of England. 3 ft. Considered standard for summer use. Everbearing in nature. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c.

Gray Sugar (Edible pods). Growing in popularity. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

Blue Bantam. Early and dwarf. Very sweet. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 30c; 2 lbs. 50c.

Gradus, or Prosperity. 3 ft. Early as any standard sort and one of the best early kinds. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c; 2 lbs. 55c.

Premium Gem. Peas small and sweet, pods well filled. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

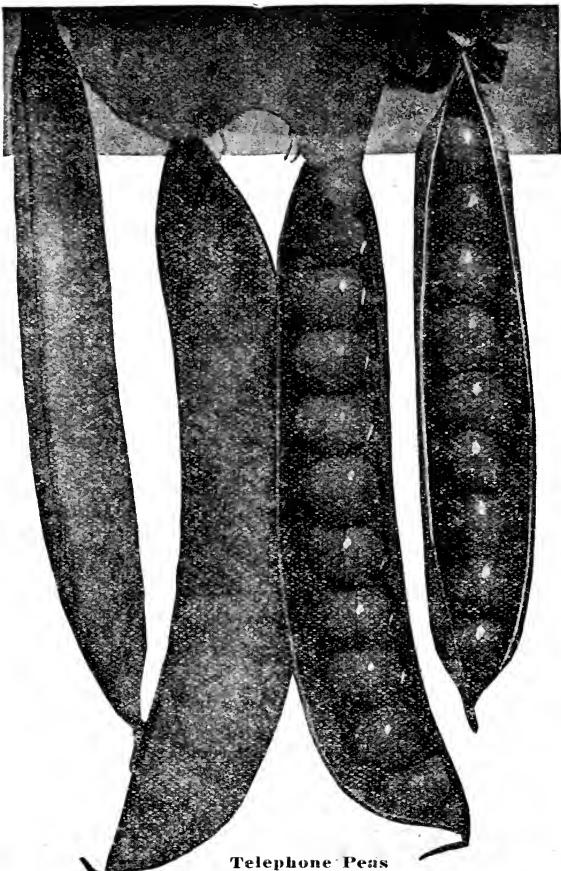
Alaska. 2 $\frac{1}{2}$ ft. Earliest of all, though not so sweet. Truckers plant February 22nd if ground can be worked. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 2 lbs. 40c.

First and Best. 2 $\frac{1}{2}$ ft. Good canning variety. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

Bliss Everbearing. 3 ft. One of the most prolific. Peas very large and wrinkled. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

Laxtonian. 2 ft. Almost as early as the earliest. Very heavy cropper and a general favorite. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

Stratagem (Improved). Middle crop sort. Good sized pods borne in abundance. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 2 lbs. 45c.



Telephone Peas

POTATOES

CULTURE. Figure 1 pound to 7 hills. Space rows 3 ft. apart. 500 lbs. to the acre. Plant as soon as danger of killing frost is over. Be sure ground is well worked up to a good depth and fertilize with bone meal. Be sure to cut so as to leave one or two good eyes to each piece. DO NOT PLANT TOO DEEP IF SOIL IS HEAVY. Five inches is plenty.

Varieties. We recommend Early Ohio, Burbank or Peach Blow for light, sandy soil and IRISH COBBLER for heavy or clay soil. This latter variety has repeatedly proved itself the only consistent producer in heavy soil. 3 lbs. 25c; 10 lbs. 50c; 25 lbs. \$1.25. Add 5c lb. for postage. Quantity prices on application.

PUMPKINS

One ounce will plant 15 hills; 2 quarts to acre.

CULTURE. Sow in May, when the ground is warm, in hills 8x8. Can also be grown with corn, every fourth hill of every fourth row. The common practice is to drop two or three seeds in every third or fourth hill in the cornfield. If cultivated in 8x8 hills use four plants to each hill.

Connecticut Field. Best variety for Colorado. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1b. 75c.

Kentucky Field. Large variety similar to above. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1b. 70c.

Mammoth Tours. French variety of great size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1b. 90c.

Small Sugar. Finer grained and best for table use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1b. 80c.

RADISH

One ounce to 100 feet of row.

CULTURE. The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use, sow in gentle hotbeds in February, and in open air as soon as the ground can be worked, at intervals of ten or twelve days, for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.

Sow in drills 1 foot apart and cover lightly; thin out while small to 3 inches apart. Hoe often.

Vick's Early Scarlet Globe. One of the best both for forcing as well as open culture. Early, crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

French Breakfast. Pink with white tip. Olive shaped. One of the earliest and best. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 90c.

Rosy Gem. Round, red with white tip. Very early. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

Sparkler. Similar to above except that it gets larger. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

Icicle. The king of all long radishes. Always tender, crisp and mild. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 90c.

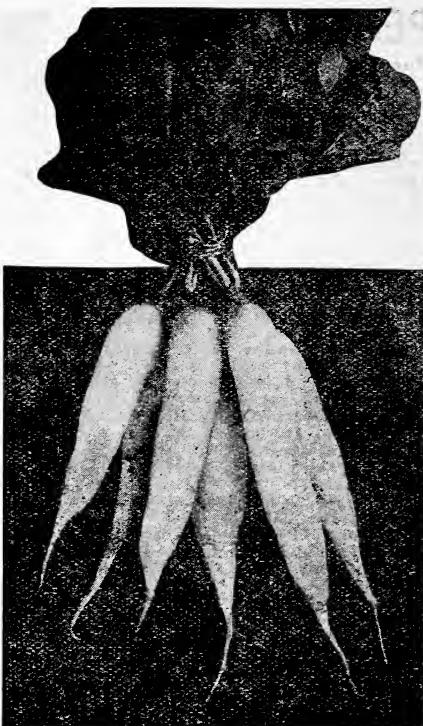
Simpson's Glass. Long, light pink type with transparent white flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 90c.

Long Brightest Scarlet. The handsomest radish grown. Scarlet above and white below. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 90c.

China Rose Winter. Flesh firm and white; will keep all winter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 90c.

Long Black Spanish Winter. Black skinned with white flesh. Gets to enormous size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

Round Black Spanish. Globe shaped roots with black skin. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.



Icicle Radishes

RHUBARB or PIE PLANT

Linneus Giant. For market gardeners the best. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.40.

Strawberry. By far the sweetest, though small in size. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.40.

Rhubarb Roots, 3 for 25c. 75c doz. 100 for \$5.00. Postpaid.

SALSIFY or OYSTER PLANT

CULTURE. The oyster plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill; 7 pounds to one acre.

Mammoth Sandwich Island. This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables and should be more generally cultivated for winter use when the supply of really good vegetables is limited. No market gardener should fail to grow it. It is a paying proposition. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

SPINACH

One ounce will sow 50 feet of drill; 12 to 16 pounds to acre.

CULTURE. This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut by frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

Long Standing. The best for spring sowing. Stands a long time before shooting to seed. Large, thick leaves, excellent for greens. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

New Zealand. Makes a luxuriant growth all summer. In appearance entirely distinct from other spinach. Its quality is very desirable and tender. Soak the seed in warm water before planting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 65c.

Round Summer. This variety is generally preferred for early growing and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

Monstrous Leaved Virostay. Quick, strong growth; much used by New York truckers. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

SQUASH

One ounce will plant 30 hills; 3 to 4 pounds an acre.

CULTURE. The plants are very tender and sensitive to cold, and planting must be delayed until settled, warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way and the winter sorts 8 feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.



Golden Summer Crook Neck

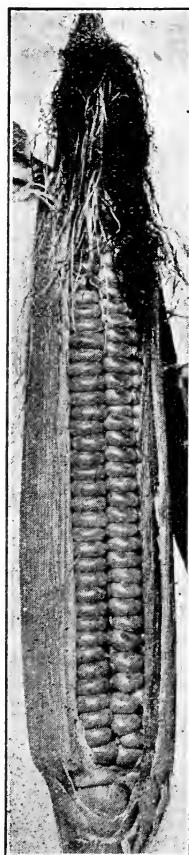
Summer Varieties

Early White Bush. This is the well known White Patty-pan Squash. The earliest to mature, very productive; light cream colored. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Golden Summer Crook Neck. Very early and productive. Fruit about 1 foot long, with crooked neck and warty surface; color bright yellow. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Giant Crook Neck. This strain is a great improvement on the old variety of Crook Neck. It is larger and better in every way. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Yellow Summer Straight Neck. Similar in all ways to the Crook Neck except that it grows straight. Packs better. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.



Golden Bantam

SWEET CORN

One pound will plant about 180 hills; 10 to 12 pounds to an acre, in hills.

CULTURE. Sweet Corn should not be planted very early in the season; the soil must be warm and should be a rich loam. If planted too early the seed is apt to rot. Sweet Corn will not make any progress until the weather is warm. If possible select a sheltered location for the very early kinds. A succession can be continued with the later kinds by planting at regular intervals from June to middle of August, thus insuring a continuous supply of table corn throughout the summer and fall months. Plant the small early varieties in drills 2 $\frac{1}{2}$ feet apart and 10 inches apart in the rows. The taller varieties should be planted in drills 3 feet apart and 12 to 14 inches apart in the rows. Rich manure worked into the soil will increase the crop.

Write for Quantity Prices.

Golden Bantam. The First Early Sweet Corn. Rich and delicious flavor. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Mayflower. One of the very earliest white Sweet Corns with regular sized cobs. Highly recommended. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Country Gentleman. "Shoe Peg." Grains not in rows on the cob. Very fine flavor. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Early Evergreen. Has all the good qualities of Stowell's Evergreen and matures earlier. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Howling Mob. Produces two splendid ears to the stalk. Early, sweet and of good size. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Stowell's Evergreen. One of the very best late varieties. Planted with medium early variety, will furnish succession of corn until frost. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Extra Early Minnesota. Early and large. Stalks not very tall. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Peep-O-Day. Early as Golden Bantam. Ears average about 6 inches in length. Sweet and juicy. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Black Mexican. Highly favored in some sections. Ears size of G. Bantam, grains black when ripe and of a peculiarly delicious flavor. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; lb. 25c; 5 lbs. \$1.15.

POPCORN

Giant Spanish. Favorite with many. Large ears and large grains, popping quickly and very crisp. Yields more to acre than any other popcorn. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 20c; 5 lbs. 75c.

White Rice. Grains small and pointed. Some claim it to be more crisp than other kinds. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 20c; 5 lbs. 75c.

TOMATOES

One ounce of seed will produce from 3,000 to 4,000 plants.

CULTURE. Sow seed in a box or hotbed early and transplant at least once to get a strong root growth. When danger of frost is over set in open ground 3 to 5 feet apart each way and cultivate thoroughly. Fruit may be had several days earlier by transplanting into small pots and then setting out the entire contents as soon as ground is warm. The varieties of Tomatoes described in this seed book comprise the very best kinds known to the trade and none are included that do not possess some merit.

Marglobe. Certified. A new, bright red; round, and large. One of the favorites on the market. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Ponderosa. Dwarf beefsteak variety, pleasing dark red. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.25.

Chalk's Early Jewel. Round, bright red, and meaty. Very early. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 85c.

John Baer. One of the best early scarlet, heavy bearers. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 85c.

Earliana. Medium sized, early red. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. 85c.

June Pink. An early pink variety that bears heavily. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.15.

Dwarf Champion. (Tree variety.) Sturdy stems bearing many medium sized purplish-red fruits. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Early Detroit. A second early, globe shaped, smooth variety. Purplish-red. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.15.

Small-Fruited Varieties

Red Pear, Yellow Pear and Yellow Plum. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.25.

Husk or Ground Cherry. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.25.



Livingston's Beauty

TURNIPS

One ounce will sow 150 feet of drill; 2 lbs. will sow an acre.

CULTURE. For early use, sow as soon as the ground can be worked in spring in drills 15 inches apart and thin to 8 inches apart as soon as the plants are large enough to handle. For succession, sow at intervals of a fortnight until the last week of July, from which time until the end of August sowings may be made for main and late crops. The sowings should be made just before rain if possible, a rapid growth being important.



Early White Egg. General favorite. Flesh is white, firm and mild without the pungent taste. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

Purple Top Strap Leaf. Best flat type for fall planting. Excellent for stock or table. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

Early White Flat Dutch. Good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

Purple Top Globe. Larger than White Egg. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

Yellow Aberdeen. Especially good for feeding. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

RUTABAGAS

Improved Purple Top. Perfect keeper, large, solid and sweet. An old-time favorite never improved upon. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1lb. 90c.

SELECTED FIELD SEEDS FOR WESTERN PLANTERS—Not Postpaid.

Alfalfa, Domestic. Lb. 30c; 10 lbs. for \$2.75; 25 to 50-lb. lots 25c lb.

Alfalfa, Grimm. Blue tag, certified. Lb. 50c; 10 lbs. for \$4.50; 25 to 50-lb. lots at 42c lb.

Brome Grass. Lb. 35c; 10 lbs. \$3.15; 25 to 50-lb. lots at 30c lb.

Orchard Grass. Lb. 30c; 10 lbs. \$2.60; 25 to 50-lb. lots at 25c lb.

Sudan Grass. Lb. 15c; 10 lbs. \$1.25; 25 to 50 lbs. at 12c lb.

Timothy. Lb. 15c; 10 lbs. \$1.35; 25 to 50-lb. lots at 12½c lb.

Sweet Clover. Either White or Yellow Blossom. Lb. 15c; 10 lbs. \$1.25.



FIELD CORN

Minnesota No. 13. Lb. 10c; 10 lbs. 50c; 25 to 50-lb. lots at 4c lb.

Colorado Yellow Dent. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 4½c lb.

Swadley. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 4½c lb.

SORGHUMS AND FODDER PLANTS

Cane, Black Amber. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 4½c lb.

Kaffir Corn. Lb. 10c; 10 lbs. 50c; 25 to 50-lb. lots at 4½c lb.

Milo Maize. Lb. 10c; 10 lbs. 50c; 25 to 50-lb. lots at 4½c lb.

Millet, Manitoba or Hog. Lb. 10c; 10 lbs. 50c; 25 to 50-lb. lots at 4½c lb.

Millet, Siberian. Lb. 10c; 10 lbs. 50c; 25 to 50 lbs. at 4½c lb.

FIELD GRAINS

Barley, Colsess. Lb. 10c; 10 lbs. 55c; 25 to 50 lbs. at 4½c lb.

Flax. Recleaned. Lb. 15c; 10 lbs. \$1.00; 25 to 50-lb. lots at 8c lb.

Oats, Victory, Registered. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 5c lb.

Oats, Swedish Select. Lb. 10c; 10 lbs. 55c; 25 to 50 lbs. at 5c lb.

Speltz. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 5c lb.

Spring Rye. Lb. 10c; 10 lbs. 55c; 25 to 50 lbs. at 5c lb.

Fall Rye. Lb. 10c; 10 lbs. 55c; 25 to 50-lb. lots at 5c lb.

MISCELLANEOUS

Beans, Pinto. Lb. 15c; 10 lbs. \$1.00; 25 to 50-lb. lots at 7c lb.

Peas, Stock. Lb. 10c; 10 lbs. 75c; 25 to 50-lb. lots at 6c lb.

Pop Corn, White Rice. Lb. 15c; 10 lbs. \$1.00; 25 to 50-lb. lots at 7c lb.

Pop Corn, Spanish. Lb. 15c; 10 lbs. \$1.00; 25 to 50 lbs. at 7c lb.

Peanuts, Spanish. Lb. 35c; 10 lbs. \$3.00.

Sunflower, Giant Russian. Lb. 15c; 10 lbs. \$1.25.

SUGAR AND STOCK BEETS

Giant Half Sugar. Golden Tankard. Mammoth Red. Wanzleben.

Any of above: Oz. 20c; ¼ lb. 20c; lb. 60c; 5 lbs. \$2.50.

ANNUAL FLOWER SEEDS

Many of our most beautiful flowers will be found in this list of Annuals. For PERENNIAL flower seeds see page 16.

We also list started plants of many ANNUALS, see page 58, and PERENNIAL flower plants, pages 18 and 19.

ACROCLINIUM (Everlastings)

Graceful, daisy-like flowers. Can be cut when in bud and used for winter bouquets.

Pkt. 10c; $\frac{1}{4}$ oz. 20c.

AGERATUM

Light blue, low and compact. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

ALYSSUM, SWEET

Little Gem. Low and compact, pure white. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

Maritimum. Honey scented, white. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

AMARANTHUS

Caudatus. Drooping red spikes. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Mixed. Many varieties. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

ANTIRRHINUM (Snapdragon)

Tall, large flowered variety.

Coral Rose. Shell pink.

Golden King. Giant yellow.

Othello. Dark maroon.

Queen Victoria. White.

Scarlet Defiance. Rich red.

Good Mixture. All colors.

Any of the above: Pkt. 10c; $\frac{1}{4}$ oz. 25c.

ASTERs

Giant Branching (Improved Crego). Large, fully double blooms on long stems. We have five colors: White, rose-pink, crimson, lavender, purple. Pkt. 10c; $\frac{1}{4}$ oz. 35c; 1 oz. \$1.00.

Mixed. All colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 75c.

Sunshine Aster. A new introduction. Anemone flowered, mixed colors. Pkt. 25c.

BACHELOR'S BUTTON—See Centaurea

BALSAM (Lady's Slipper)

Double Flowering. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 60c.

Balsam Apple. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

BEANS (Scarlet Runner)

Red Climbing Bean. Pkt. 5c; $\frac{1}{4}$ lb. 25c; 1 lb. 45c.



Calendula (Pot Marigold)

CALENDULA (Pot Marigold)

The new varieties are much improved over the old.

Lemon Queen. Pure yellow. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Orange King. Clear, glowing orange. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Double Mixed. Shades of orange, bronze and yellow. Pkt. 10c; $\frac{1}{2}$ oz. 15c; oz. 25c.

CANARY BIRD VINE

Rapid climber. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

CALIFORNIA POPPY (Eschscholtzia)

True California. Orange. Pkt. 10c; $\frac{1}{2}$ oz. 20c; 1 oz. 35c.

Crimson. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

Mixed. Pkt. 5c; 1 oz. 25c; 1 lb. 75c.

CALLIOPSIS

Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c; 1 oz. 40c.

CANDYTUFT

Separate colors: White, lavender or crimson. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

Mixed. Pkt. 10c; $\frac{1}{2}$ oz. 15c; 1 oz. 25c.

CANNA

Mixed Hybrids. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

For Canna Bulbs see page 22.

CARDINAL CLIMBER

Rapid climber with red flowers. Pkt. 15c.

CASTOR OIL BEANS

Red Stem. With green leaves, 6 to 8 feet.

Pkt. 10c; 1 oz. 20c.

Giant Zanzibariensis. 8 to 10 feet. Pkt. 10c; 1 oz. 25c.

CELOSIA (Coxcomb)

Chrysanthemiflora. Round, compact heads in many colors. Pkt. 10c.

Crystata or Crested. Tall. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

Plumosa. Plumed. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

CENTAUREA

Cyanus (Bachelor's Button). Pkt. 10c; $\frac{1}{4}$ oz. 15c; 1 oz. 40c.

Cornflower. Double blue. Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 60c.

Imperialis (Sweet Sultan). Pkt. 10c; $\frac{1}{4}$ oz. 35c.

CHINESE LANTERN

Physalis. Lantern-shaped pods. Pkt. 10c.

CHRYSANTHEMUM

Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

CLARKIA

Elegans. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

COBOEA SCANDENS

Climber, with purple flowers. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

COXCOMB—See Celosia

COSMOS

Early Flowering. White, pink or crimson.

Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 60c. Mixed, Pkt. 10c; $\frac{1}{2}$ oz. 25c; 1 oz. 45c.

Double Crested. New variety. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

CYPRESS VINE

Popular climber. Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 60c.

DAHLIA—For bulbs see pages 22, 23.

Mixed Seed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

DAISY

African Daisy. Brown eye. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

English Daisy. See page 18.

Painted Daisy. See page 19.

Marguerite. Large white. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

EVERLASTINGS

All kinds, mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

FOUR O'CLOCK

All colors mixed. Pkt. 10c; oz. 25c.

GERANIUMS

Single and Double. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

GLOBE AMARANTH (Everlastings). Mixed. Pkt. 10c.

GODETIA

Excellent for shady places. Very attractive. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

GOURDS

Dipper, Nest Egg, Hercules Club, Dishcloth, Calabash and Mixed. Pkt. 10c; 1 oz. 25c.

GYPSOPHILA

Elegans. Annual, used in bouquets. Pkt. 10c; $\frac{1}{4}$ oz. 15c; 1 oz. 30c.

HELICHRYSUM (Strawflowers)

All colors mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c; 1 oz. 50c.

HELIOTROPE

Very fragrant. Pkt. 10c; $\frac{1}{4}$ oz. 45c.

HYACINTH BEAN

Rapid growing climber. Pkt. 10c; 1 oz. 20c.



Gourds

ICE PLANT

Trailing plant suitable for hanging baskets, walls, etc. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

JAPANESE HOP VINE

Fine for covering walls, rock gardens, etc. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

JOE'S TEARS

Broad, corn-like leaves, ornamental. Pkt. 10c; $\frac{1}{2}$ oz. 15c; 1 oz. 25c.

KOCHIA

Summer Cypress (Mexican Fire Bush). Fine for ornamentation. Pkt. 10c; $\frac{1}{2}$ oz. 15c; 1 oz. 25c.

KUDZU VINE

True Japanese. Pkt. 10c; 1 oz. 40c.

LACE FLOWER

Didiscus, Blue. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

LANTANA

Verbena-like heads of orange, rose, white and yellow. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

LARKSPUR

Annual. Double, mixed. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

LINUM

Scarlet Flax. Many brilliant colors. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

LOBELIA

Crystal Palace. Dwarf blue. Pkt. 10c; $\frac{1}{8}$ oz. 50c.

Gracilis. Trailing, for hanging baskets, etc. Pkt. 10c; $\frac{1}{8}$ oz. 40c.

LUPINS

Mixed annuals. Pkt. 10c; 1 oz. 25c.

MARIGOLD

African. Tall, double. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

French. Dwarf, double. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

MIGNONETTE (Musk Plant)

Machet. Fragrant. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

MOON FLOWER

Beautiful white climber. Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 50c.

MORNINGGLORY

Tall. Regular. Mixed colors. Pkt. 10c; 1 oz. 15c; 1 lb. \$1.25.

Japanese. Large fringed blooms. Pkt. 10c; $\frac{1}{2}$ oz. 25c; 1 oz. 40c.

Heavenly Blue. Large, sky-blue. Pkt. 10c; $\frac{1}{4}$ oz. 35c; 1 oz. \$1.00.

Clark's Mammoth Blue. The finest of all. Enormous sky-blue flowers placed at regular intervals along the vine. Pkt. 15c; 1 oz. \$1.50.

NASTURTIUM

Dwarf Mixed. Large pkt. 10c; 1 oz. 15c; $\frac{1}{2}$ lb. 60c.

Tall Mixed. Large pkt. 10c; 1 oz. 15c; $\frac{1}{2}$ lb. 60c.

NICOTIANA

Nicotine Plant. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

NIGELLA

Love in a Mist. Pkt. 10c; $\frac{1}{2}$ oz. 15c.



LARKSPUR

PANSIES

Giant Trimardeau. We import this seed as we find the European strains superior to anything produced in this country.

Pure White Gold King of the Blacks

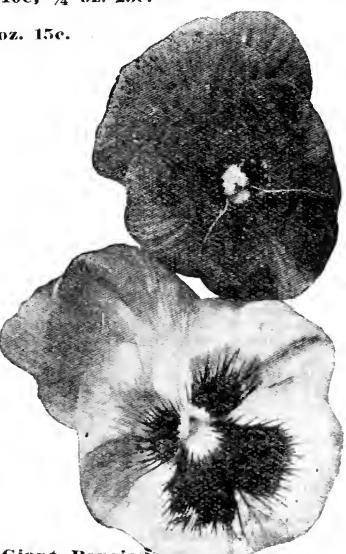
Purple Cardinal Red Azure Blue

All of the above are selected varieties, enormous blooms with beautiful centers. Pkt. 10c; $\frac{1}{4}$ oz. 40c; 1 oz. \$1.00.

Trimardeau Mixed. All colors. Pkt. 10c; $\frac{1}{4}$ oz. 30c; 1 oz. 80c.

SPECIAL OFFER—1 pkt. each
of above 6 colors, and 1 pkt.
mixed, all for 50c

For PANSY PLANTS, strong, vigorous plants, see
page 58.



Giant Pansies

PETUNIAS

Rosy Morn. Clear, soft pink, dwarf. Pkt. 15c;
½ oz. 50c.
Giants of California. The largest single. Pkt.
25c.
Striped and Blotched. Very large. Pkt. 15c;
½ oz. 40c.
Single Mixed. Pkt. 15c; ½ oz. 40c.

PHLOX

Drummondii. Mixed. Pkt. 10c; ½ oz. 20c; 1
oz. \$1.15.
Star. Mixed. Pkt. 10c; ½ oz. 25c; 1 oz. \$1.25.
For Hardy Phlox Roots see page 19.

PINKS

Imperialis. Double fringed. Pkt. 10c; ¼ oz.
25c; 1 oz. 75c.

Crimson Bedder. Double as a carnation. Pkt.
15c.

POPPIES

Shirley. Mixed. Single, free blooming and
large. Pkt. 10c; 1 oz. 30c.
Single. Mixed. Many varieties suitable for
mass bedding. Pkt. 10c; 1 oz. 20c.
Double. Mixed. Blooms are large and attrac-
tive. Pkt. 10c; 1 oz. 20c.
Flanders. A popular variety since the war.
Pkt. 10c; ½ oz. 25c; 1 oz. 40c.

PORTULACA

Moss Rose. One of the best ground coverers.
Pkt. 10c; ½ oz. 35c; 1 oz. 60c.

Double. Mixed. Pkt. 10c; ½ oz. 50c.

SALPIGLOSSIS

Mixed colors, blooms are velvety and
attractive. Pkt. 10c; ½ oz. 35c.

SALVIA (Scarlet Sage)

Splendens. Pkt. 10c; ½ oz. 60c.

Farinacea. Blue. Pkt. 10c; ½ oz. 75c.

SCABIOSA (Mourning Bride)

Special mixture. Pkt. 10c; ¼ oz. 25c.

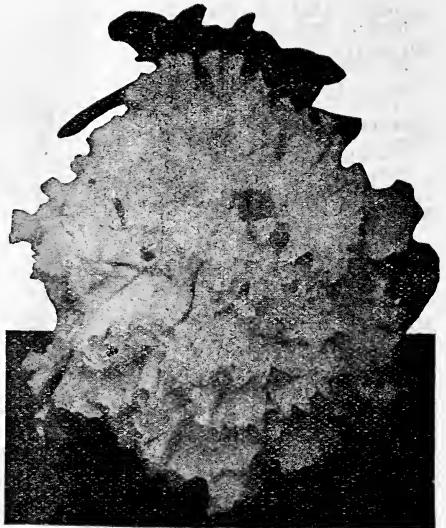
SCHIZANTHUS (Poor Man's Orchid)

Pkt. 10c; ¼ oz. 25c.

SNAPDRAGON—See Antirrhinum

STOCKS

Dwarf. Ten weeks, mixed. Pkt. 10c; ½
oz. 35c.



Petunia

SUNFLOWER

Giant Russian. Pkt. 5c; ¼ lb. 10c; 1 lb. 25c.
Chrysanthemum Flowered. Double. Pkt.
10c; 1 oz. 25c.

SWEET PEAS—See fourth cover

THUNBERGIA

Black-Eyed Susan. Climber. Pkt. 10c; ½
oz. 30c.

VERBENA

Mammoth. White, Yellow, Scarlet, Purple,
separate colors. Pkt. 10c; ½ oz. 25c.
Mammoth Mixed. Pkt. 10c; ½ oz. 15c; 1
oz. \$1.00.

WILD FLOWER GARDEN

A surprise mixture containing many nov-
elties. Pkt. 10c; 1 oz. 50c.

WOOLFLOWER

A Chinese introduction. Pkt. 10c; ¼ oz.
50c.

Perennial Flower Seeds

For PERENNIAL PLANTS see pages 18 and 19

Ampelopsis (Woodbine). Fast-growing climber. Pkt. 10c; 1 oz. 25c.
Canterbury Bell. Profusion of bell-shaped flowers. Pkt. 10c; ½ oz. 25c.

Carnation. Double mixed. Pkt. 10c; ½ oz. 40c.

Carnation. Marguerite mixed. Pkt. 10c; ¼ oz. 35c.

Columbine. True Rocky Mountain. Pkt. 10c; ½ oz. 50c; 1 oz. \$1.50.

Columbine. Mixed Hybrids. Pkt. 10c; ½ oz. 40c.

Daisy. Double English. Pkt. 10c; ½ oz. 40c.

Daisy. Shasta, Alaska. Pkt. 10c; ½ oz. 50c; 1 oz. \$2.25.

Delphinium. Perennial Larkspur. Much improved of late. Mixed. Pkt. 10c; ½ oz. 30c.

Delphinium. Belladonna, light blue. Pkt. 10c; ½ oz. 60c.

Delphinium. Kelway's Hybrids. Mixed. Pkt. 10c; ½ oz. 40c.

Forget-Me-Not. Fine for shady places. Pkt. 10c; ½ oz. 25c.

Foxglove. Digitalis, mixed. Pkt. 10c; ½ oz. 25c.

Gaillardia. Mixed Grandiflora. Pkt. 10c; ¼ oz. 25c.

Geum. Mrs. Bradshaw, double orange-scarlet. Pkt. 10c; ¼ oz. 75c.

Gypsophila (Baby's Breath). Paniculata. White. Pkt. 10c; ¼ oz. 25c.

Gypsophila. Double. Pkt. 25c; ½ oz. \$3.00.

Hollyhock. Scarlet, Rose, Yellow, Crimson, Salmon-pink, in separate colors. Pkt. 10c;
¼ oz. 35c. Mixed colors: Pkt. 10c; ¼ oz. 25c.

Lupinus. White, Pink, Blue, in separate colors. Pkt. 10c; ¼ oz. 25c. Mixed: Pkt. 10c;
¼ oz. 20c.

Phlox. The perennial variety makes excellent hedge plants, growing from the root each
year. Mixed colors. Pkt. 15c.

Poppy. Orientale, bright scarlet, enormous. Pkt. 10c; ¼ oz. 40c. Oriental Hybrids, mixed:
Pkt. 10c; ½ oz. 40c. Iceland, single mixed: Pkt. 10c; ¼ oz. 50c.

Pyrethrum. Roseum, Painted Daisy. Fine for cut flowers. Pkt. 10c; ½ oz. 50c.

Statice Latifolia. Sea Lavender. Pkt. 10c; ¼ oz. 50c.

Sweet Peas. Perennial, Lathyrus. Pkt. 10c; ¼ oz. 25c.

Sweet William. Usually bloom first year from seed. Mixed. Pkt. 10c; ¼ oz. 25c.

Viola Cornuta. Tufted Pansy. Pkt. 10c; ½ oz. 50c.

Violet. Odorata, fragrant. Pkt. 10c; ½ oz. 50c.



ZINNIAS

Probably never before in the whole history of the seed trade has any flower caught the fancy of the masses as has the newly improved ZINNIA. Our seed comes from the originator, The Bodger Farms, in California.

There are two distinct varieties, both mammoth in size and sure to please—the GIANT DAHLIA-FLOWERED ZINNIA, noted for its beautiful pastel shades in an array of colors that beggars description, and the NEW GIANT-FLOWERED MAMMOTH, also in an array of colors with long stems. Both are fully double.

GIANT DAHLIA-FLOWERED ZINNIAS

Crimson Monarch. Best enormous red.

Exquisite. Light rose-pink.

Dream. A fine deep lavender.

Old Rose. Old rose shade.

Polar Bear. Pure white.

Purple Prince. Fine, deep purple.

Oriole. Immense orange and gold bi-color.

Golden Dawn. Golden yellow.

Youth. Soft rose.

Lemon Beauty. Golden yellow on brown.

Scarlet Flame. Bright scarlet.

Meteor. Glowing deep red.

Generous packets of any of the above named varieties, 15c; $\frac{1}{4}$ oz. 50c; 1 oz. \$1.50.

Dahlia-Flowered Mixed. All colors and shades. Pkt. 15c; $\frac{1}{4}$ oz. 40c; 1 oz. \$1.25; $\frac{1}{2}$ lb. for \$8.00.

NEW GIANT FLOWERED MAMMOTH, or COLOSSAL ZINNIAS

Royal Purple	Lavender	Bright Rose	Blood Red	Burnt Orange
Apricot Yellow		Flesh Pink	Golden Yellow	

Separate colors as above. Large pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 75c; $\frac{1}{2}$ lb. \$4.00.

Giant Flowered Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 60c; $\frac{1}{2}$ lb. \$3.00.

POMPON ZINNIAS

Beautiful dwarf double variety for borders, etc. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 75c; $\frac{1}{2}$ lb. \$4.00.

HARDY PERENNIAL PLANTS

THOSE MARKED * ARE SUITABLE FOR ROCK GARDENS

Each 20c, Doz. \$2.00 unless otherwise noted. We Pay Postage on All Perennials.

***Achillea** (Yarrow or Milfoil). Desirable garden subjects for any soil. Good for cut flowers. Finely cut foliage, frequently silvery. **Millefolium roseum**. 1½ feet, summer, rosy pink.

Anchusa (Summer Forget-Me-Not). Fine, tall blue flowers for massing. Moisture lover.

***Aquilegia Coerulea**. True Rocky Mountain Columbine. Large roots. 25c each.

(Hardy Aster) **Michaelmas Daisy**. A fine perennial for tall borders or mass effects, very hardy and blooms well in almost any location. Named varieties in white, cream, pink, light blue, lavender and purple.

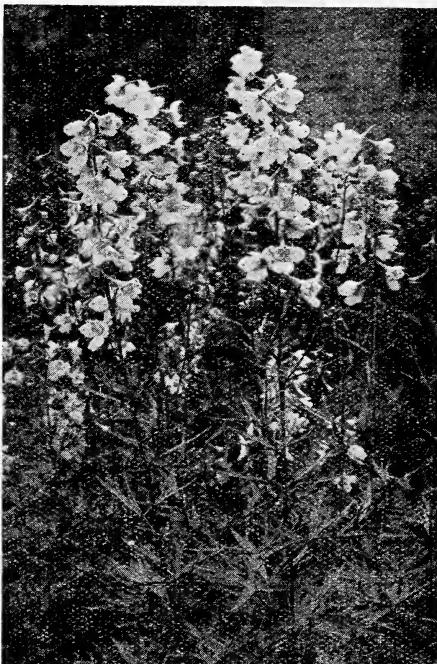
Bellis (English Daisy). Very popular, low growing, six to eight inches. Blooms very double and full, something like a small Aster. Basket of 6 to 8 plants, 40c.

Bleeding Heart. Scarce for three or four years, but we have a fair supply. 75c each.

Buddleya (Summer Lilac). A half hardy shrub freezing down to the root in the fall like the Shasta Daisy. Very attractive lavender colored blooms, fine for cutting. 35c each.

Campanula (Bell Flower). These come in great variety in height from 18 to 48 inches and colors from white through the shades of blue to deep violet. This family also includes the well known Canterbury Bell. 25c each; \$2.50 per doz.

Centaurea (Hardy Corn Flower). A graceful and attractive plant. Height two to three feet. Valuable for cuts, as it has a



Delphinium

good stem. Colors: White, yellow, red and rosy purple.

Chrysanthemum. Handsome and vigorous. Height about twenty-four inches. Fine for borders. We carry named varieties in many shades and colors.

Coreopsis. Good for cut flowers and continues in bloom through the entire season.

Delphinium. Larkspur, Belladonna. Light blue. Bellamomum, dark blue.

Dianthus (Pinks). Another large and valuable group. Some for borders, others suitable for rock gardens. All members of this family are hardy and will thrive in either heavy or sandy soils. Colors: White, light or deep pink, red and mauve. They are all-season bloomers.

Digitalis. Foxglove. An old-time favorite. **Gaillardia**. Begins to flower in June.

***Geranium** (Cranesbill). Easily grown plants giving masses of small, showy flowers and good foliage. Most of them have a magenta tinge. 25c each; \$2.50 per dozen.

***Geum**. A good border subject, attractive foliage, bright scarlet flower. 25c each; \$2.50 per dozen.

Goldenrod. Needs no description. Strong roots.

Golden Glow. Strong roots.

Gypsophila (Baby's Breath). **Paniculata**, single, 20c each. **Double**, grafted roots, 50c each, \$5.00 doz. **Bristol Fairy**, early and very large. Not as good for drying as the Paniculata or Double Blossom. 60c each, \$6.00 doz.

Aquilegia Coerulea

Helianthus (Hardy Sunflower). One of the most valuable tall borders. It is a hardy, vigorous grower with good foliage, flowers in this country in August and September. Color: Golden yellow.

Hemerocallis. Lemon Lily. Very satisfactory and pretty. Flowers are bell shaped of clear lemon yellow.

Hibiscus (Crimson Eye). Immense white flower with crimson eye. 25c each.

Hollyhocks. Double only. Can furnish in separate colors as follows: Buff, white, yellow, maroon, red, pink, blush, black.

Iberis (Hardy Candytuft). Grows low with beautiful foliage, fine for rock work or low borders.

***Iris** *Germanica*. Excellent for borders. Can supply in colors as follows: Blue, cream, purple, bronze, lavender, orange, yellow, pink.

Iris Dalmatica. The finest of all Iris. Grows to four feet, producing massive flowers of rich lavender. Very fragrant.

Lathyrus Latifolius (Everlasting Pea). A desirable, hardy climber, much like the annual sweet pea. Six feet, July, white, pink, red.

***Linum** (Flax). A desirable border plant having light, graceful foliage and bearing flowers all summer.

***alpinum**. 1 to 1½ feet, June to July, blue.

***arboreum**. 1 foot, May, yellow.

Lupinus. Somewhat resembles the larkspur but has a greater variety of colors and is fragrant. We have it in white, yellow and lavender-blue. 25c each; \$2.50 per doz.

Oriental Poppy. The largest poppy, often nine or ten inches across when open. Color is a rich, fiery red. Perfectly hardy.

Pentstemon. A rather low border that is hard to beat, the blooms rise above a beautiful mat of variegated foliage.

Hardy Phlox Special Collection. Crimson, white, white with red eye, pink, lavender, orange, purple.



Lupinus



Hardy Phlox

Platycodon (Chinese Bell Flower). Attractive border plant with peculiar shaped blue flower. Blooms in July and likes lots of sun. 25c each; \$2.50 per doz.

Pyrethrum (Persian Daisy). A fine perennial, greatly improved of late. Prefers a rather open location, grows two to four feet, flowers are of Daisy type in a good variety of colors.

***Ranunculus** (Buttercups). Deep green foliage, small, bright yellow flowers in clusters. A good border plant. No particular soil needed.

Salvia (Meadow Sage). A group of plants giving exceptionally fine spikes of small, graceful blue flowers. Do well anywhere in the border.

Scabiosa (Blue Bonnet). Good border plants. Fine blue flowers on long stems, good for cutting. Any well drained soil and a sunny place needed.

Shasta Daisy (Alaska). Immense white flowers with yellow center.

Statice (Lavender Baby's Breath). Produces a profusion of tiny lavender colored blooms in clusters or sprays useful for blending with other flowers. Can be cut when in full bloom and dried for winter use.

Sweet William. Flowers in clusters like phlox.

Tritoma (Red Hot Poker). One of the most attractive perennials. If you want a bed of flaming color that will last through the summer this is the one to use. A little more expensive to start than annuals but cheaper in the long run. Colors: White, yellow and orange red. 35c each; \$3.50 per doz.

Veronica (Speedwell). Some of the best garden subjects are found here. A fine range of blue spikes with attractive grayish foliage. Will do finely in any good rich soil in full sun.

PEONIES

We quote on good strong roots that are sure to bloom. Free cultural leaflet on request.

ALL POSTPAID

Baroness Schroeder. Delicate flesh, changing to white. Flowers very large. An extra fine peony. **\$1.00 each.**

Couronne D'Or. Cream white. A fine late white. **.50c each.**

Duke of Wellington. Ivory white with creamy white center. Very large. **.50c each.**

Early Rose. This is an old peony, but one of the most reliable. **.50c each.**

Festiva Maxima. A rare variety of great beauty. Exceedingly showy and of large size. Pure snowy white, flaked with small crimson spots at center. Finest white in cultivation. **.50c each.**

Felix Crousse. The well known brilliant dark red. The leader among reds. **\$1.00 each.**

Grandiflora Alba. Pure white. Valuable not only as a late bloomer, but as an excellent one for cutting. **.50c each.**

Golden Harvest. Blush guard petals; center petals narrow, showing yellow stamens. **.50c each.**

Karl Rosenfeld. Rich, velvety crimson. Large globular flower. A popular red. **\$1.00 each.**

Lady Lenora Bramwell. Very large and sweet. Silver rose. **.50c each.**

Lafayette. Deep rose. Flowers very large. One of the best of the new deep varieties. Stock scarce. **\$1.00 each.**

Mad. Breon. Flesh and lemon, changing to white. **.50c each.**

Model de Perfection. Silver pink. Large and sweet. **.50c each.**



Festive Maxima Peony

Officinalis Rubra. (Old Red.) Flowers of a bright crimson, quite double and globular. Very early and fine. Two-year-old clumps. **\$1.00 each.**

Princess Beatrice. Pink guard petals, center creamy pink. Late bloomer. **.50c each.**

President Taft (Reine Hortense). Among the best of all peonies. Large full flower, delightfully fragrant. Color a delicate shell pink. A vigorous free bloomer. **\$1.00 each.**

Rosea Superba. Fine, full rosy pink. Extra choice flower. Very free and early bloomer. **.50c each.**

Unnamed Varieties in Pink, Red and White. **.35c each or one of each for \$1.00.**



Iris

Splendid Varieties of Iris

Healthy stock, grown in sunny Colorado, the ideal Iris climate. Standard divisions, all guaranteed true to name. All Iris priced prepaid anywhere in U. S.

Ambassadeur. A remarkable French variety that will eventually be in the collection of every Iris lover. Standards bronzy-violet. Falls rich velvety red-violet. **Each .35c; 4 for \$1.00.**

Black Prince. The true Perry origination. Standards intense violet-blue. Falls black-purple, suggesting that rich velvety texture of the famous Dominion Iris. **Each .30c; 5 for \$1.00.**

Dream. Standards and falls both lilac to Chinese violet. Classed as pink, and one of the finest in this color class. A sure enough lovely dream. **Each .25c; 7 for \$1.00.**

Isolene. Standards lovely rose-pink. Falls purplish-old rose with golden throat. **2 for .30c; 10 for \$1.00.**

Lent A. Williamson. Very large flowers on tall, strong stems. Standards lavender-violet. Falls velvety violet-purple. The whole flower is suffused yellow, more heavily towards the center. A massive Iris, vigorous in growth and a beauty. **2 for .35c; 9 for \$1.00.**

Mother of Pearl. Both standards and falls iridescent shades of mother of pearl. Good large flowers on tall stems. **Each .35c; 4 for \$1.00; 25 for \$5.00.**

Oriflamme. An enormous-flowered French Iris of most pleasant color combination. Standards dark lavender. Falls hortense-violet. Edges of the sweetly scented blooms are daintily waved or crimped like a Spencer Sweet Pea. **2 for .25c.**

White Knight. Strong growing plant with pure white blossoms. **2 for .25c.**

Special IRIS Collection—12 Unnamed Varieties for 75c. This might be called the beginner's collection. It is offered to illustrate the value of some of the new kinds.

Choice Hardy Lilies

Auratum. "Gold Banded Lily of Japan." Our customers have repeatedly written us praising our stock of these Japanese Lilies. They are perfectly hardy and will increase in number from year to year. **.40c each; \$4.00 per dozen.**

Rubrum. "Crimson Lily of Japan." **.40c each; \$4.00 per dozen.**

Regale. "Most beautiful of all Hardy Lillies." White, with yellow throat. **.40c each; \$4.50 per dozen.**

Tiger Lilies. Double. Immense clusters of orange-red flowers. Hardy and easily grown. **.15c each; 2 for .25c; \$1.50 dozen.**

SUMMER FLOWERING BULBS

THESE PRICES ARE PREPAID

Every yard or garden should have a bed or two of these bulbs. We list only proven items that you can count on to produce satisfactory plants and blooms.

Magnificent Selected Gladiolus

One of the easiest bulbs to grow and at the same time one of the most satisfactory from every standpoint. They enrich your whole garden with a wealth of color that is not possible from other sources. They practically take care of themselves and multiply generously. If cut when the first one or two blooms open, they will keep for a full week and even the small buds will develop and open.

Planted in groups or rows they furnish a flare of color that can be seen from a great distance. Planted singly or by twos and threes with other shrubbery they blend in with anything you may have. When successive plantings are made about three weeks apart blooms may be had from early July until well into November.

Gladiolus bulbs may be had in literally thousands of different named varieties. We are listing what we consider the cream of the good, medium priced ones, but will be glad to quote on any others that you may desire.

All of the following varieties, 5c each; 12 for 50c; 25 for \$1.10; 50 for \$2.00; 100 for \$3.50.

America. A large light pink.

Chicago White. One of the earliest pure whites.

General Joffre. Scarlet-red, mottled deeper scarlet.

Very early.

Halley. Deep salmon-pink, with creamy blotch and red stripe.

Herada. Large pure mauve, with deeper markings in throat.

Joe Coleman. Large, rich red.

Le Marechal Foch. Very early light pink.

Mrs. Francis King. Brilliant vermillion scarlet. One of the best.

Mrs. Dr. Norton. Pure soft white, tipped with pink.

Mrs. Frank Pendleton. Salmon pink with rich maroon blotch.

Peace. Very large white, with violet feathering.

Persia. Dark, rich maroon with bright green foliage and black buds. Unusual.

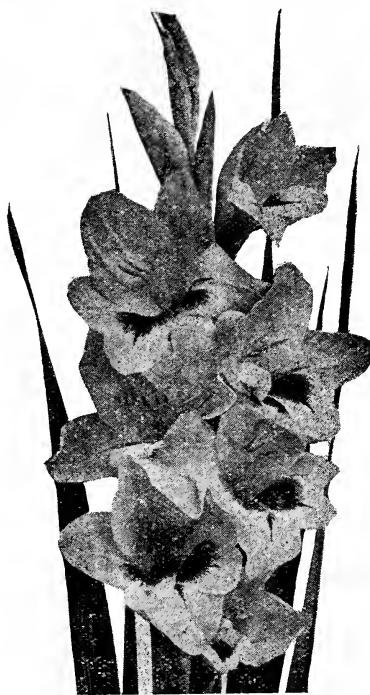
Prince of Wales. An unusual coral pink.

1910 Rose. Deep rose pink.

E. J. Shaylor. A deep rose pink with darker throat.

Virginia. An intense scarlet red.

Prices Quoted Are for
Large Bulbs, Postpaid



Peace Gladiolus

SURPRISE GLADIOLUS MIXTURE

The best assortment we know how to put up.
12 large bulbs for 35c; 25 for 60c; 100 for \$2.50;
1,000 for \$20.00, postpaid.

Lily-of-the-Valley

A shady corner is the place for these beauties. The flower is justly famed and will grow in almost any soil, though doing best in a sandy loam. Dozen 75c; 100 for \$5.00.

Caladiums or ELEPHANT'S EARS

Medium sized bulbs, 15c each; 4 for 50c; Giant bulbs 25c each; 5 for \$1.00. To make the best growth they must have plenty of water. In planting make a circular trench about the plants to hold water. We have seen plants with leaves 2½ feet wide.

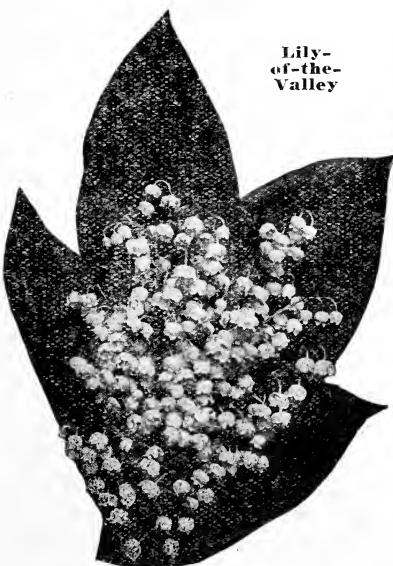
Calla Lilies

Yellow. 20c to 25c, according to size. Order early, as supply is gone after April 1st.

White Callas are available only in the fall.

Tuberoses

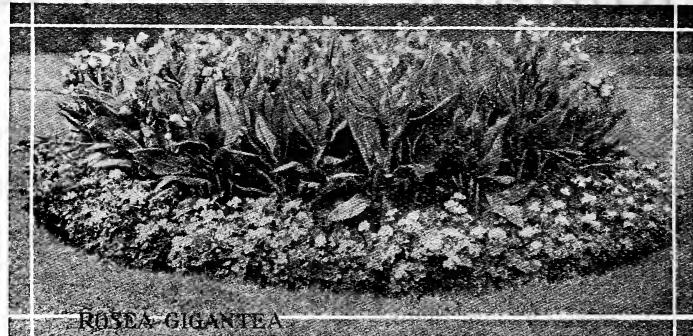
Dwarf Excelsior Pearl. One of the most delightfully fragrant and beautiful of the late flowering bulbs. Can be taken up and potted for indoor culture in the fall. 7c each; 4 for 25c; 70c a doz.; 25 for \$1.25.



CANNAS

One of the most satisfactory summer flowering bulbs. A bed 7 feet in diameter requires 19 bulbs. A 10-ft. bed requires 36 bulbs. We mention only the most popular varieties, but carry others. Prices: Single bulb 15c; \$1.25 per doz.

Illustration shows an effective planting of Cannas.



ROSEA GIGANTEA

Hungaria. The best large rose-pink, 4 ft.

King Humbert. Large scarlet with bronze leaf, 4 to 5 feet.

Orange Bedder. Bright orange, suffused with scarlet. 4 feet.

Pennsylvania. Scarlet with green foliage. 4 to 5 feet.

Richard Wallace. Bright yellow, with green foliage. 4 feet.

Yellow Humbert. Bright, clear yellow flowers. Green leaf. 4 to 5 feet.

Mixed Cannas for borders and beds. Good assortment. Dozen 85c.

EXTRA FINE DAHLIAS

PRICES POSTPAID

Dahlias are easily grown and so exceptionally satisfactory that every garden should have a good variety. Some of the newer varieties are truly enormous in size and striking in color and form. We list only those that are well worth while. If you are a **Dahlia Fancier** bring in your list and let us quote you on some of the more rare kinds.

Standard Decorative Dahlias

Each 25c; Dozen \$2.40

Berch Von Heemstede. An extra fine, clear, rich yellow.

Delice. A glowing rose-pink that is sure to please. The stems are long and stiff.

Mina Burgle. A very free-flowering, vivid dark red on good stems.

Mrs. Thos. Burch. Rich old gold, sometimes marked with pink.

Souvenir Douzon. An immense flower with flat petals, full to the center. The largest red in the decorative section.

Flamingo. An ideal variety for cutting. Bright shell pink.

Show and Fancy Dahlias

25c Each; \$2.40 Dozen

Dr. I. B. Perkins. An ideal white. Its large, pure white flowers are borne on long stems.

D. M. Moore. A deep, velvety maroon of mammoth size.

Vivian. An exquisite combination of pink and violet-rose.

W. W. Rawson. An exceptionally fine pure white, tips of petals overlaid with delicate lavender.

Stradella. A large, full, well rounded purple.

Victory. Of immense size and perfect form, deep yellow, each petal tipped with cherry red.

Superb Cactus Dahlias

Each 25c; Dozen \$2.40

Charles Clayton. A vivid red with long stems.

Countess of Lonsdale. The freest flowering Dahlia grown, rich salmon.

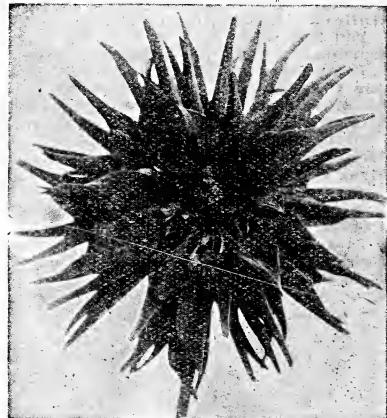
Dainty. Rosy pink, shading to pale lemon.

Emily Russel. An American beauty red with good stems.

Genesta. Rich bronze with orange cast.

Mrs. H. J. Jones. Bright vivid red with long claw-like petals, tipped with red.

Standard Bearer. Rich fiery scarlet.



Cactus Dahlia

Peony-Flowered Dahlias

Each 50c; Dozen \$4.50

Chicota. An ideal large golden yellow. Stems often 18 inches long.

Francis Daniels. A lovely light pink with long stems. Has excellent keeping qualities.

Happy Dream. Stems long and wiry, holding the bloom to full view. Bright pink shading to lavender.

Isa. Light fawn pink, changing to amber. A free and constant bloomer.

La Grande Lilas. A superb new variety of immense size. Stems are often two feet long. Rich amaranth red.

La Veta. A combination of pink and bronze. A free and early bloomer.

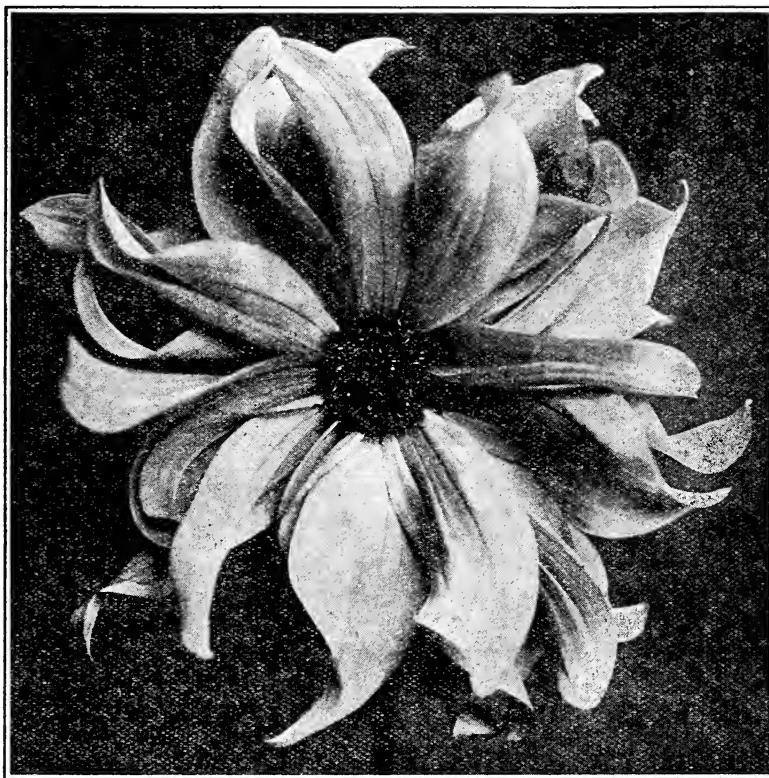
Mme. Bystein. A pure lilac lavender of exceptional size.

Sweetheart's Bouquet. A perfect Peony-Flowered Dahlia, salmon rose shaded with fawn.

The Screamer. The flowers are large and borne on long, firm stems. Dark red shaded to violet purple.

Special Merit Dahlias

POSTPAID PRICES. Figures following type indicate height.



Peony-Flowered Dahlia

For Dahlias noted for Beauty, Form and Color, select from this list.

Alpine Wonder (W). (Hybrid Cactus.) Flowers snowy white, large and full, produced in groups of three, each on fine long stem. An early and constant bloomer. **\$1.00 each.**

Amun Ra. (Decorative 4.) Originated and introduced by Jessie Seal. This fact in itself is the highest guarantee. A mammoth decorative Dahlia borne on stout stems of good length. The flowers are gorgeous. In color a combination of copper, orange and golden bronze. Highly recommended. **50c each.**

Chief Washkree (W). (1925, Decorative.) A large, well formed flower borne on excellent stems which hold the flower well above the foliage. Color, a most intense red; a fine variety. **50c each.**

Chipeta. (Cactus 4.) A mammoth flower borne on very long stems. A most pleasing amaranth red. **50c each.**

Clarissa Blanco. (Decorative 3.) Deep wine color, often variegated with white. A beautiful flower and very early. **50c each.**

Jersey Mammoth. (Hybrid Cactus.) One of the largest Dahlias grown; 11 to 12-inch specimens are not unusual. Massive dark green foliage. Stems medium but stout, showing the flower above the foliage. Color, dark old rose. Ideal for those who admire the extra sized Dahlias. **\$1.00 each.**

Kiwanian. See first cover.

Millionaire. (Decorative 3.) An immense Dahlia and among the most popular of

all the extra large Dahlias. Color a clear, rich orchid, shading to almost white in the center. **50c each.**

Mrs. Carl Salbach. (Decorative 5.) Extra large and of beautiful form and always full to the center. Color, soft lavender. One of the best recent introductions. **50c each.**

Nobilis. (Decorative 4.) A combination of red and white with white predominating. **\$1.00 each.**

Oregon. (Cactus 5.) An American Beauty red, with long stems and large flowers. **50c each.**

Pierrot. (Cactus 4.) A striking novelty in color, form and size. Color, amber with white tips. **50c each.**

Radio. (Decorative 4.) Without a doubt one of the greatest Dahlias ever originated. Can be grown 11 to 12 inches in diameter. Color, blood red, edged and tipped with yellow. **\$1.00 each.**

Rollo Boy. (Cactus 4.) An enormous amber and yellow cactus. One of the best new varieties. **75c each.**

Washington City. (Hybrid Cactus.) An immense white flower that has few, if any, equals. Flowers from 8 to 9 inches and of purest white. Stems long and erect. One of the best of varieties. **50c each.**

William G. (Decorative 3.) A mammoth flower of shaggy form borne on stems long and strong enough to hold the flowers erect. Color, light or scarlet red and truly enormous. **\$1.00 each.**

Field Grown Dormant Roses

Stock ready for planting in March and April. For plantings after May 1st we recommend our Choice Hardy Pot Grown Rose Bushes

We list only those varieties that are found to be hardy in Colorado and adjoining states. Many fine roses are not suitable for our climate and to plant them will only lead to disappointment.

Roses are lovers of heavy soil and for that reason we do not recommend lightening the soil with manure or leaves. Fertilization is very necessary and should be applied in the form of surface dressing, slightly worked into the soil. We suggest VIGORO, listed on third cover page, bone dust or manure water.

Protect your roses in winter by working leaves, straw or dried grass about the roots but do not wrap the stems. Frequent freezing and thawing will cause mildew, sweating and mould, and result in winter killing if wrapping is resorted to.

Bush roses should be cut back to 18 inches to 2 feet soon after the first killing frost. Watch out for bugs. Spray with Black Leaf No. 40, or Melrosine, and powder leaves and buds with any good insect powder to prevent stinging by the rose fly. Insecticides listed on page 31.

PRICES QUOTED DO NOT INCLUDE POSTAGE

When sent by mail add 10 cents each, or \$1.00 dozen

Hybrid Tea Roses

Average height 1½ feet, bloom all summer and fall.

Columbia, Bright Pink, good for cutting. Each 80c.

Double White Killarney, Snow White. Each 90c.

Etoile de France, Double Crimson. Each 80c.

Pink Killarney, Brilliant Pink. Each 80c.

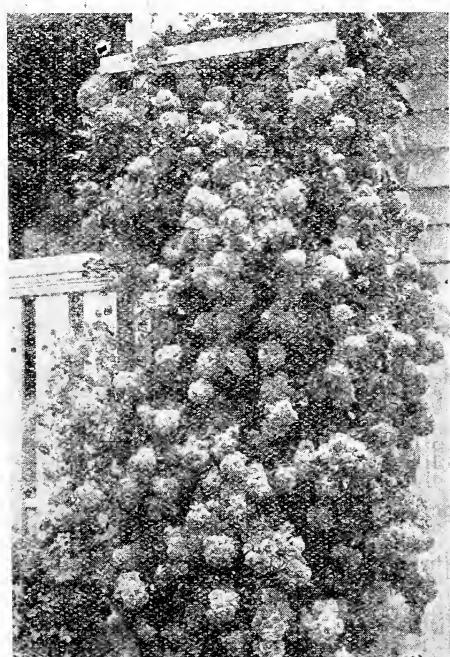
Madam Butterfly, Pale Pink and Gold. Each 80c.

Ophelia, Pearly Pink and Cream. Each 80c.

Pink Radiance, Bright Pink, extra good. Each 80c.

Red Radiance, Light Crimson. Each 80c.

Sunburst, Yellow with orange tint. Each 90c.



Crimson Rambler



Red Radiance

Hybrid Perpetual Roses

Average height 4 feet
American Beauty, Dark Rose Pink. Each 80c.

Frau Karl Druschki, Snow White. Each 80c.
General Jacqueminot, Bright Crimson. Each 80c.

George Arends, Large Light Pink. Each 80c.

Paul Neyron, Rich Old Rose Pink. Each 80c.

Climbing Roses

Climbing American Beauty, Crimson. Each 80c.

Crimson Rambler, Vivid Red in clusters. Each 75c.

Dorothy Perkins, Shell Pink in clusters. Each 75c.

Excella, Bright Crimson in clusters. Each 75c.

Yellow Rambler, Bright Yellow clusters. Each 75c.

Pauls Scarlet Climber, Bright Scarlet. Each 75c.

Choice Hardy (Pot Grown) Rose Bushes

OUTDOOR PLANTING FOR IMMEDIATE EFFECT

Ready for Shipping April 15th

These roses are all grown on their own roots, assuring you that they will never "run wild." Most field grown bushes are grafted on wild rose roots and unless properly handled will turn to wild rose bushes in two or three years. This explains why some of the best roses you have bought have ceased blooming just as the bushes made a good growth.

Rose bushes do best in a heavy clay soil and for that reason we recommend the use of bone dust fertilizer applied as a top dressing several times during the growing and blooming season, rather than the use of barnyard fertilizer that is worked into the soil and which tends to lighten the soil.

Pot grown roses develop better root systems than do field grown bushes and there should be absolutely no loss of plants when planting these bushes. The soil must never be allowed to get dry, however, for the first two or three weeks.

We list only a few of the most popular monthly blooming varieties, but can furnish any satisfactory rose at the same price.

Prices—65 cents each, \$6.50 dozen, 100 for \$50.00. Shipped express collect or by parcel post. Postage 10 cents each, or \$1.00 dozen.

BUSH ROSES

WHITE

Angelus. A big, yellowish-white.

Double White Killarney. Long budded and fragrant.

Edel. White shaded old ivory.

Kaiserin. Very fragrant and free bloomer.

White Ophelia. Pinkish center, long budded.

YELLOW

Golden Ophelia. Good, clear yellow.

Irish Fireflame. Flame colored bud, opening pinkish.

Lady Hillingdon. Clear, light yellow.

Mme. Butterfly. One of the very best yellows.

Mrs. A. R. Waddell. Good bloomer, justly popular.

Roselandia. A new, rich yellow.

LIGHT PINK

Columbia. Big flowers of brilliant hue.

Cynthia Ford. Free bloomer and sturdy.

Pink Killarney. True pink and free bloomer.

La France. The best pink in the list.

Mme. C. Testout. The rose that made Portland famous.

Mrs. Chas. Bell. Shell pink.

Radiance. Free bloomer and sturdy.

Rosy Dawn. Form similar to Ophelia.

DARK PINK

Commonwealth. Deep pink, very fragrant.

Dunlop. Deep pink with pointed bud.

Jonkherr Mock. The largest deep pink grown.

My Maryland. Free bloomer and sturdy.

Premier. Big and fragrant.

RED

American Beauty. The most satisfactory rose ever grown, blooms freely and is hardy in any climate.

Crusader. Very double, with long stem.

Francis Scott Key. One of the largest reds.

Hadley. Good grower, fragrant and sturdy.

Legion. A medium sized rose with good growing habits.

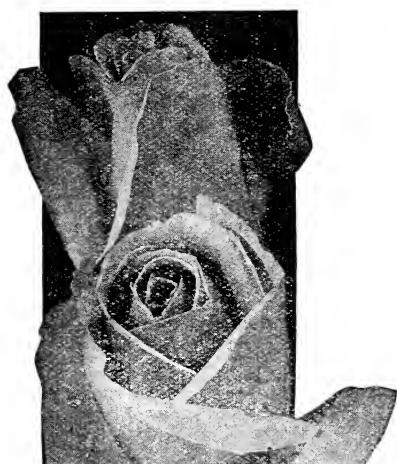
Mrs. Henry Sewall. Cherry red, pointed bud.

Red Columbia. Brilliant scarlet.

Red Radiance. One of the best.

Senator. A new dark red.

Templar. Similar to Ophelia.



White Killarney

CLIMBING ROSES

White Climbers

Mary Lovett. Large double flowers, glossy foliage.

White Perkins. The most rapid grower.

Yellow Climbers

Electra. Blooms over a long period.

Gardenia. Very free bloomer.

Light Pink Climbers

Alida Lovett. Large pink.

Dorothy Perkins. Rapid grower but flowers fade.

Pink Rambler. Similar to Crimson Rambler.

Tausendschoen. Shell pink, a beauty.

Dark Pink Climbers

American Pillar. Dark pink with white center.

Heart of Gold. Better than Hiawatha, larger and more vigorous.

Red Climbers

Climbing American Beauty. Best red rambler known.

Excelsa. Improvement over the old Red Rambler.

Paul's Scarlet. Large blooms, very popular.

HARDY FLOWERING SHRUBS

Almond. Pink flowering. The first shrub to flower in the spring. The whole bush is covered with beautiful double pink flowers before the leaves appear. **Each \$1.00. Postpaid \$1.10.**

Barberry. New red leaved. The foliage is a rich, bronzy red, changing to vivid orange, scarlet and red in the fall. **Each 80c. Postpaid 90c.**

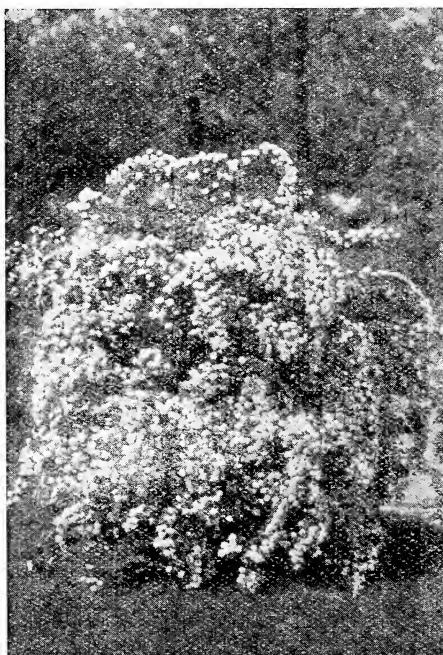
Butterfly Bush. Beginning to bloom in July, it continues throughout the summer, until cut by frost. Very attractive lavender colored blooms, fine for cutting. **Each 50c. Postpaid 60c.**

Bridal Wreath. Spiraea van Houttii. The most beautiful of all Spiraeas, blooming in early spring. Resembles a mass of snow. **Each 60c. Postpaid 70c.**

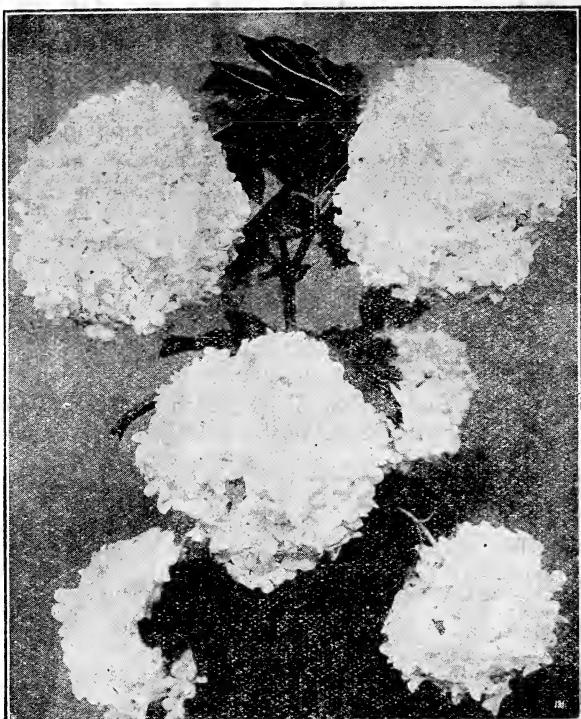
Dogwood. Coral and yellow. We can supply both. Coral Dogwood has bright red limbs and branches, and the Yellow Dogwood has yellow branches. These two Dogwoods make a beautiful contrast when planted together. **Ea. 50c. Ppd. 65c.**

Hibiscus (Rose Mallow). Crimson eye, enormous flowers of red, pink and white with crimson eye in center. **Each 60c. Postpaid 70c.**

Honeysuckle. Pink tartarian. Bright pink flowers in profusion. **Ea. 65c. Postpaid 75c.**



Bridal Wreath



Snowball

Honeysuckle. Japanese bush. A spreading variety with creamy white flowers. **Each 65c. Postpaid 75c.**

Hydrangea. Paniculata grandiflora. A most beautiful shrub with immense clusters of white flowers shading to pink. **Each 75c. Postpaid 85c.**

Lilac. White. An old favorite that deserves space in every yard. **Each 75c. Postpaid 85c.**

Lilac. Persian purple. More dwarf than the white, and less liable to lose blooms through early frosts. Beautiful shade of purple. **Each \$1.00. Postpaid \$1.10.**

Mock Orange. Early flowering, tall shrub that is justly popular. **Ea. 75c. Ppd. 85c.**

Quince. Japanese. The shrub is simply covered with dazzling scarlet flowers through the early spring, followed by quince shaped fruits which are fragrant. **Each 75c. Postpaid 85c.**

Snowball. Covered with white balls of flowers through the early spring. **Each 60c. Postpaid 75c.**

Snowberry. White. Blooms during June and July with rose colored flowers, followed by clusters of milk-white fruits that remain through the winter. **Each 60c. Postpaid 70c.**

Snowberry. Red. Similar to the white, except that the fruits are red. Becoming very popular as it is better known. **Each 60c. Postpaid 70c.**

Tamarix. Fine, feathery foliage with soft pink flowers in July and August. Rather tall. 3-4 ft. size, **60c each. Postpaid 70c.**

Hedge Plants. Amoor River Privet. Our stock is northern grown, therefore very hardy. 24 plants will make a 10-foot row planted in a zigzag double row. Can be set in single row 10 to 12 inches apart, but planted in this way will make a thinner hedge. 12-18 inch, **\$1.75 doz.; 25 for \$3.50; 100 for \$12.00. Add 10 per cent for postage, or may be sent express collect.**

HARDY CLIMBING VINES

Cinnamon Vine. Very satisfactory for low walls or fences. Foliage is not dense, but is lacy in effect, with glossy, dark green leaves. Good sized tubers. **15c each; \$1.50 doz., postpaid.**

Clematis Jackmanii. The most beautiful of all climbers. Large, star shaped purple flowers in clusters. This variety is difficult to grow from a dormant root, hence we furnish potted plants already well started. **\$1.50 each, postpaid. Dormant plants if desired, \$1.00 each, postpaid.**

Clematis paniculata. The white Clematis. The flowers are pure white and borne in immense sheets covering the whole vine. **Each 50c, postpaid.**

Dutchman's Pipe. A vigorous grower with large, broad leaves and brownish colored flowers shaped like a pipe. **Each \$1.25, postpaid.**

Honeysuckle. Scarlet Trumpet. Very strong, rapid grower with red, trumpet-shaped flowers. One of the first vines to show green in the spring. Strong roots. **50c each, postpaid.**

Hop Vine. The hop is such a rapid grower that it is always in demand for a quick fence coverer. The fruits are borne in profusion. Large roots. **20c each; \$2.00 doz., postpaid.**

Ivy. Ampelopsis Engelmanni. A rapid growing vine that clings tightly to brick or stucco walls. Young plants should be fastened to wall by means of cloth strips, until the suckers form. **Each 50c, postpaid.**

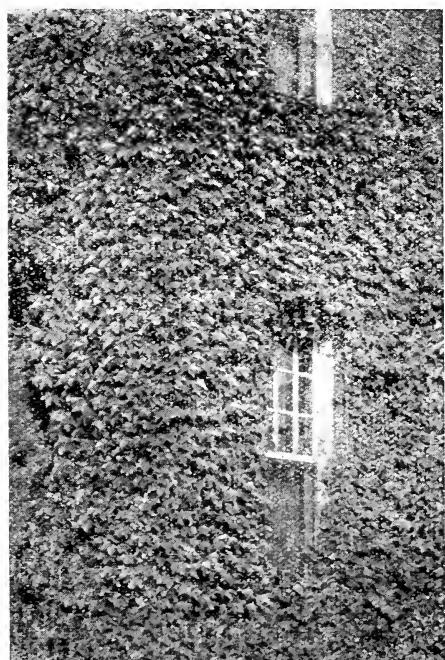


Clematis paniculata

TRICHOSANTHUS CUCUMEROIDES

A NEW NOVELTY CLIMBER GROWN FROM SEED.

A hardy climber with blooms about 3 inches in diameter, feathery in appearance like long serrated Dianthus. After flowering, bears fruit which turns to a brilliant scarlet, 4 to 5 inches long, in shape similar to a cucumber. Plant a packet of this seed and get your neighbors guessing. Imported from Japan. **Packet 25c.**



Ivy—Ampelopsis Engelmanni

Kudzu Vine. A Chinese introduction that has become justly popular. While slow to start, after three or four weeks begins to grow amazingly fast. In good soil and sunny location will sometimes reach a height of 60 to 70 feet in a season. Very effective when planted against tree trunks. **Each 50c; \$5.00 doz., postpaid.**

Madeira Vine. Grown from tubers that resemble a potato. This vine is well worth your attention, as the foliage is peculiarly attractive. Freezes down to the ground in winter. Tubers should be dug before killing frosts and stored in a cool, dry cellar. Large tubers. **10c each; 90c doz., postpaid.**

Matromony Vine. Has small white flowers with scarlet fruit in the autumn. Used as a ground cover or for hanging over walls and fences. Will climb to moderate height if supported. **Each 50c, or 3 for \$1.25, postpaid.**

Silver Lace Vine. A hardy climber introduced from Turkestan. To see one is to want one. It grows rapidly and clings to any support. Each slender branch terminates in a spray of foamy white flowers. Will reach a height of 10 to 15 feet. Strong plants. **75c each, postpaid.**

Sweet Pea. Perennial. This vine is very popular because it is so easily grown. The flowers are formed in clusters and come in red, white and pink. Assorted colors only. **25c each; \$2.50 doz., postpaid.**

Trumpet Vine. See Honeysuckle, Scarlet Trumpet, above.

Wisteria. Purple. A rapid growing vine with purple-lilac, pea-shaped flowers in racemes. Very hardy. **Each 90c, postpaid.**

Never an Evergreen Bargain like this!

EVERGREEN COLLECTIONS



White Spruce



Mugho Pine



American Arborvitae

Never before have we been able to offer a bargain like this.

Evergreens are justly popular for lawn or parking plantings, foundation plantings or rockeries. The collections offered below make it possible for you to buy a whole set for the price of a single tree. These trees are not seedlings. They are all twice transplanted and grown by the largest evergreen nursery in America.

Prices are **POSTPAID**, shipment direct from the nursery with safe arrival guaranteed.

LAWN COLLECTION—\$5.50 Postpaid

5 White Spruce.....	8-10 inches
5 American Arborvitae	10-12 inches
5 Douglas Fir.....	8-10 inches
5 Mugho Pine	6- 8 inches

ROCK GARDEN COLLECTION—\$5.25 Postpaid

1 Pfitzer Juniper.....	8-10 inches
1 Savin Juniper.....	8-10 inches
1 Mugho Pine	6- 8 inches
1 Woodward Arborvitae	10-12 inches
1 Douglast Fir	10-12 inches
1 Pyramidal Arborvitae	10-12 inches
1 White Spruce.....	10-12 inches
1 American Arborvitae	10-12 inches

FOUNDATION COLLECTION—\$7.25 Postpaid

2 Pfitzer Juniper	10-12 inches
2 Mugho Pine	10-12 inches
2 Pyramidal Arborvitae	12-18 inches

COLORADO BLUE SPRUCE

This is the most beautiful of all the evergreens. Its distinct bluish color is immediately noticed. These trees are taken from our mountains and transplanted in the nursery for two to three years, giving them better shape and root growth. 18-24 in. \$4.00; 24-30 in. \$5.00; 30-36 in. \$6.00.

SHADE TREES

Ash. European Mountain Ash. Has green, fern-like foliage and is covered with red berries from late summer throughout the winter. The Ash is hardy in Colorado and makes a very attractive ornamental tree. 5-6 ft. \$1.00; 6-8 ft. \$1.50.

Birch. Cut-Leaved Weeping. This is the true white-barked weeping birch. It is the most beautiful tree in the whole list and attracts attention wherever seen. 3-4 ft. \$2.50; 4-5 ft. \$3.00; 6-8 ft. \$3.50.

Maple, Soft, or Silver Leaf. The fastest growing maple and best known. 6-8 ft. \$1.25; 8-10 ft. \$1.50.

Maple. Hard. This is one of our most beautiful trees, but is much slower in growth than the soft Maple. 4-5 ft. \$1.40; 5-6 ft. \$1.75.

Poplar. Boleleana. Similar to the Lombardy, except that it has leaves resembling the soft Maple. 6-8 ft. \$1.50; 8-10 ft. \$2.00.

Poplar. Lombardy. Grows to great height, narrow, with dense foliage. 6-8 ft. \$1.00; 8-10 ft. \$1.25.

Russian Olive. A blooming ornamental tree reaching a height of 30 feet or more. Blooms are yellow and fragrant, foliage silvery white. 5-6 ft. \$1.25.

Willows, Golden Weeping. Long, slender, drooping branches, giving the tree an excellent ornamental effect. 6-8 ft. \$1.00; 10 for \$9.00.

Willows, Golden. Same as above without the drooping habit. 5-6 ft. \$1.00.

CHINESE ELMS—The New Wonder Tree
—described and illustrated on second cover.

FRUIT TREES

Apple. Chenango, Delicious, Grimes Golden, Jonathan, Tallman Sweet, Stayman Wine-sap, Wealthy, Yellow Transparent and Red Siberian Crab. 5-7 ft. 80c; ten for \$7.50.

Cherry. Early Richmond, English Morello, and Large Montmorency. 4-6 ft. \$1.25; ten for \$11.50.

Pear. Bartlett, Flemish Beauty, Kieffer. 5-7 ft. \$1.10; ten for \$10.00.

Plum. German Prune, Lombard, Wild Goose, Opata, Sapa. 5-7 ft. \$1.25; ten for \$11.00.

Berries and Small Fruits

Blackberries. Snyder, or Rathburn. Each 15c; 10 for 70c; 100 for \$4.50, postpaid.

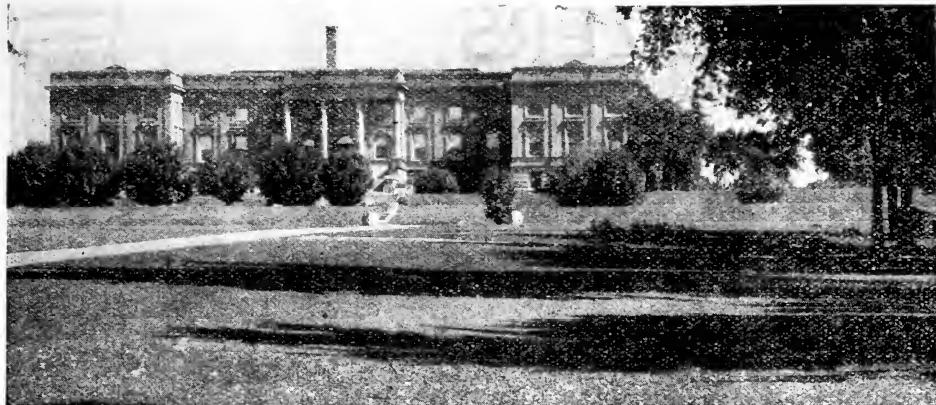
Currants. Red Cherry, Perfection, or White Grape. Each 25c; 10 for \$2.00, postpaid.

Gooseberries. Downing, Houghton, or Oregon Champion. Each 25c; 10 for \$2.00, postpaid.

Grapes. Concord, Moore's Early, Brighton, or Niagara. The Concords are 20c each, or 10 for \$1.75. Other varieties, 25c each, or 10 for \$2.00, postpaid.

Raspberries. St. Regis Everbearing, each 15c; 10 for 80c. Cuthbert, Marlboro, or Kansas Black, each 15c; 10 for 80c; 100 for \$5.00, postpaid.

Strawberries. Progressive Everbearing, probably the best all-around everbearing. 25 for 50c; 50 for 85c; 100 for \$1.50, postpaid. Superb, a good everbearing, somewhat larger than the Progressive. 25 for 60c; 50 for \$1.00; 100 for \$1.50, postpaid. Mastodon, largest of all. 25 for \$1.00; 50 for \$1.75; 100 for \$3.00, postpaid.



Colorado Museum of Natural History, City Park, Denver, Surrounded by Well Kept Lawns and Shrub Plantings.

LAWN GRASS SEED

No home is complete without a **GOOD, WELL KEPT UP** lawn, and no lawn is worthy of the name that was not grown from the proper mixture of grass seeds. Conditions of soil, climate, altitude and moisture have a decided effect on the mixture best suited for different localities, and we suggest that you write us if in doubt as to what you should use.

We firmly believe that in nine cases out of ten a base of pure Kentucky Blue Grass seed makes the best lawn, but as Kentucky Blue Grass is somewhat slow in starting, it is usually advisable to use other seeds, in the proper proportions with Kentucky Blue Grass, in starting a new lawn.

In filling grass seed orders, we feel that our reputation is at stake, and we use the utmost care in buying seeds of this nature. Establishing a new lawn is something of a battle, but your battle is half won if your order is sent to us. The other half of the battle lies in the preparation of the soil and the care given after planting.

Send for free folder, HOW TO MAKE AND MAINTAIN A LAWN

LAWN GRASS MIXTURES

Capitol Lawn Mixture. Based on mixture used in State House lawn in Denver, with additions proved advisable in recent experiments. Lb. 50c; Postpaid 60c; 5 lbs. \$2.40; Postpaid \$2.60; 10 lbs. \$4.50; Postpaid \$4.85.

Blue Grass and White Dutch Clover. In proper proportions. Lb. 55c; Postpaid 65c; 5 lbs. \$2.65; Postpaid \$2.85; 10 lbs. \$5.00; Postpaid \$5.30.

Deep Shade Mixture. Suitable for shaded spots where other grasses will not grow. Lb. 60c; Postpaid 70c; 5 lbs. \$2.90; Postpaid \$3.10; 10 lbs. \$5.50; Postpaid \$5.80.

VIGORO

Complete plant food

**Especially for Lawns.
Listed in Detail on Third
Cover.**

THE BENT GRASSES

The Bent Grasses have come to stay. Their creeping habits and resistance to drought make them decidedly valuable under many conditions.

Creeping Bent (German). $\frac{1}{4}$ lb. 35c; Postpaid $\frac{1}{2}$ lb. 60c; Postpaid 1 lb. \$1.00; Postpaid \$1.10; 5 lbs. \$4.80; Postpaid \$5.00; 10 lbs. \$9.50; Postpaid \$9.80.

Seaside, or Coos Bent. $\frac{1}{4}$ lb. 50c; Postpaid $\frac{1}{2}$ lb. 90c; Postpaid 1 lb. \$1.75; Postpaid \$1.85; 5 lbs. \$8.50; Postpaid \$8.70; 10 lbs. \$16.50; Postpaid \$16.80.

ASTORIANA BENT. Without a question far superior to the other Bent Grasses. It is raised on drier hill land and is much more hardy. Cleaned to a remarkably high percentage of purity. Sold in 1-lb., 3-lb., 5-lb., 10-lb., and 25-lb. Certified and Sealed bags. 1 lb. \$2.00; Postpaid \$2.10; 3 lbs. \$5.85; Postpaid \$6.00; 5 lbs. \$9.50; Postpaid \$9.70; 10 lbs. \$18.50; Postpaid \$18.80; 25 lbs. \$45.00; Postpaid \$46.00.

MISCELLANEOUS LAWN GRASSES, CLOVERS, ETC.

Kentucky Blue Grass. High test, heavy seed. Lb. 65c; Postpaid 75c; 5 lbs. 3.00; Postpaid \$3.20; 10 lbs. \$5.80; Postpaid \$6.10.

Kentucky Blue Grass. Good commercial grade, free of weed seed. Lb. 55c; Postpaid 65c; 5 lbs. \$2.50; Postpaid \$2.70; 10 lbs. \$4.80; Postpaid \$5.10.

White Dutch Clover. Fancy, high-test seed. Lb. 60c; Postpaid 70c; 5 lbs. \$2.85; Postpaid \$3.00; 10 lbs. \$5.50; Postpaid \$5.80.

Meadow Fescue (English Blue Grass). Lb. 30c; Postpaid 40c; 5 lbs. \$1.15; Postpaid \$1.35; 10 lbs. \$2.50; Postpaid \$2.80.

Poa Trivialis. Recommended for shady places. Lb. 70c; Postpaid 80c; 5 lbs. \$3.20; Postpaid \$3.40; 10 lbs. \$6.25; Postpaid \$6.55.

Rye Grass. Suitable for lawn mixtures. Lb. 20c; Postpaid 30c; 5 lbs. 90c; Postpaid \$1.10; 10 lbs. \$1.75; Postpaid \$2.00.

Red Top, Sheep's Fescus, Chewings Fescue, Bermuda Grass, Mortou's Pasture Mixture, quoted on request.

FERTILIZERS

FOR LAWNS—GARDENS—FIELD CROPS

Not Prepaid Unless So Stated.

VIGORO. Our experience during the last three years convinces us that the one best plant food for lawns and gardens is **VIGORO**. You find it in use in practically every locality. Large estates employing expert horticulturists use it and recommend it. It must, indeed, have exceptional merit to make the many lasting friends it has made. Our **VIGORO** sales have increased approximately 100% each year. For further description and prices see third cover page. A Swift & Company product.

LOMA. A quick-acting, balanced plant food popular in the South. We welcome its appearance on the Denver market because we know its merits. It has our hearty recommendation.

1-lb. can.....	\$0.25	By mail.....	\$0.35
5-lb. can.....	.50	By mail.....	.70
10-lb. bag.....	.85	By mail.....	1.20
25-lb. bag.....	\$1.75		
50-lb. bag.....	3.25	Not postpaid	
100-lb. bag.....	6.00		

SACCO
TRADE MARK REG. U.S. PAT. OFF.
— Makes Things Grow —

An other quick-acting, balanced plant food that will give entirely satisfactory results. We recommend its use for all home and farm requirements.

1-lb. can.....	\$0.25	By mail.....	\$0.35
5-lb. can.....	.50	By mail.....	.70
10-lb. bag.....	.85	By mail.....	1.20
25-lb. bag.....	\$1.75		
50-lb. bag.....	3.00	Not postpaid	
100-lb. bag.....	5.00		

Wedo. A special fertilizer to eliminate weeds in lawns. 25-lb. bag \$2.00; 100-lb. bag \$6.50, not postpaid.

Sheep Manure. Pulverized and treated to eliminate weed seeds. Not to be confused with ordinary barnyard manure, which is liable to be alive with seeds of the most noxious weeds. Use 100 lbs. to 500 sq. feet. 10 lbs. 25c; 25 lbs. 50c; 50 lbs. 80c; 100 lbs. \$1.25; 5-bag lots at \$1.15 cwt.; 10-bag lots at \$1.10 cwt; one ton (20 bags) for \$20.00.

MISCELLANEOUS PLANT FOODS, TABLETS, BACTERIA, ETC.

DATED - Fresh Each Year



The Original Legume
INOCULATOR

PRICES

Alfalfa, All Clovers	
Size	Retail
1/4 bu.....	\$.40
1/2 bu.....	.60
1 bu.....	1.00
5 bu.....	4.75

When ordering, always specify kind of seed

Peas, Vetch, Beans	
Austrian Winter Peas	
Size	Retail
1/2 bu.....	\$.40
1 bu.....	.60
*1 1/2 bu.....	.90
3 1/2 bu.....	1.80
5 bu.....	2.50

*Also called "100 lb. size."

Soy Beans and Cow Peas

1 bu.....	\$.40	5 bu.....	\$1.50
2 bu.....	.70	10 bu.....	2.50

Garden size NI-
TRAGIN for
Sweet Peas,
Peas and Beans,
25c. All post-
paid.

Excelsior Plant Food. Also for house plants, ferns, etc. 2-oz. can 15c; postpaid 18c; 5-oz. size 25c; postpaid 30c; 12-oz. size 40c; postpaid 50c.

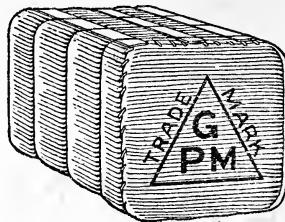


GRANULATED PEAT MOSS. Adds humus to soil. Should be used where soil is either too sandy or too heavy with clay.

Has made many lasting friends in the last three years. Original bale, "O. K. Brand," a t

\$4.00; 5-bale lot s a t \$3.90; half bales, \$2.50; 15-lb. bag

for \$1.00, not postpaid.



FINE BONE MEAL. Evergreen Brand. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 90c; 50 lbs. \$1.50; 100 lbs. \$2.75. Include postage if by mail.

STEAMED BONE MEAL. Valuable for flowers, vegetables, etc. Prices same as for Fine Bone Meal.

SULPHATE OF AMMONIA (Known as Ford's Fertilizer). A quick-acting stimulant for lawns and gardens. 1 lb. 15c; 2 lbs. 25c; 5 lbs. 50c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00. Not postpaid.

LIME—PULVERIZED. Should be used on sour soil and to eliminate earth worms. 6 lbs. 25c; 10 lbs. 40c; original bag of 50 lbs. \$1.00; 100 lbs. \$1.75.

NITRATE OF SODA. Contains the basic elements for most fertilizers. 1 lb. 15c; 2 lbs. 25c; 10 lbs. \$1.00; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs. \$7.00. Not postpaid.

VIGORO. A 12-oz. package for house plants. Each 10c; postpaid 15c.



A concentrated, odorless food for greenhouse and pot plants, in tablet form.

30-tablet size.....	\$0.25
75-tablet size.....	.50
200-tablet size.....	1.00
All postpaid.	

STIM-U-PLANT TABLETS. Used for house plants and shrubs.

10-tablet size.....	\$0.15
30-tablet size.....	.25
100-tablet size.....	.75
1000-tablet size.....	3.50

All postpaid.

JAPANESE PALM FOOD. Especially prepared for Palms and Rubber Plants. 5-oz. pkg. 25c; postpaid 30c.

ZENKE'S "NEW PLANT LIFE." A liquid plant food for all plants. Put one teaspoonful in a quart of water and use this to water house plants. Remarkably effective. 8-oz. can 30c; postpaid 40c.

INSECTICIDES

As poisons cannot be mailed, these prices are NOT postpaid. Items marked with a star, thus (*), may be mailed if postage is added to order.

THE ACME LINE



Arsenate of Lead. For control of all leaf-eating insects. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 4 lb. box \$1.25; 100 lb. keg. \$16.00.

Paris Green. $\frac{1}{4}$ lb. 20c; 1 lb. 55c; 5 lb. pkg. \$2.50.

Acme 2-Way Spray. Combines action of Arsenate of Lead and Bordeaux Mixture. Insecticide and fungicide. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 4 lb. pkg. \$1.25.

Acme All-Round Spray. A combination spray to destroy both sucking and chewing insects and fungus diseases. $\frac{1}{4}$ lb. 40c; 1 lb. 90c.

Acme Garden Guard. A powder in sifter-top can for dusting flowers, vegetables and shrubs. 1 lb. can 25c; 5 lb. can. 85c.

Acme Bean Beetle Dust. A special preparation for beans, cucumbers, potatoes, etc. 1 lb. 30c; 4 lb. can 80c.

Acme Bait-M. A bait for cutworms, etc. Place in ring around plants and flowers. 1 lb. 35c; 3 lb. can 60c.

Black Leaf 40. Most successful nicotine spray. Used for all soft-bodied insects; also for poultry lice by painting on roosts. 1 oz. bottle 35c; $\frac{1}{2}$ lb. bottle \$1.25; 1 lb. bottle \$2.50; 2 lb. can \$3.75; 5 lb. can \$7.00; 10 lb. can \$11.85.

Blue Vitriol (Copper Sulphate). Use 1 lb. to 15 gals. water. 1 lb. 20c; 5 lbs. 85c; 10 lbs. \$1.50; 100 lbs. \$11.00.

Bordeaux Mixture. Use against blight, mildew, scab, etc. 1 lb. 35c; 4 lb. pkg. \$1.00; 100 lb. drum \$15.00.

Copper Carbonate. Lb. 30c; 5 lb. pkg. \$1.25; 50 lbs. \$10.00.

***Evergreen.** A non-poisonous spray for rose slugs, red spider, cutworms, plant lice, cabbage worms, etc., etc.

1 oz. bottle..	\$.35;	Postpaid \$.40
6 oz. bottle..	1.00;	Postpaid 1.10
16 oz. bottle..	2.00;	Postpaid 2.15
32 oz. bottle..	3.50;	Postpaid 3.70
1 gal. bottle.	13.00;	Postpaid 13.50
5 gal. size....	50.00	

***43" For the Trees.** Used on tree wounds, or where branches have been removed. Lb. can 65c; postpaid 75c; $\frac{1}{2}$ lb. can \$1.55; postpaid \$1.70; 5 lb. can \$2.95; postpaid \$3.15.

Grape Dust. For mildew. 5 lb. can 95c; postpaid \$1.15; 10 lb. can \$1.85; postpaid \$2.05.

***Grafting Wax.** $\frac{1}{4}$ lb. pkg. 20c; $\frac{1}{2}$ lb. pkg. 30c; 1 lb. pkg. 50c, postpaid.

***Lime-Hydrated (Powdered).** See FERTILIZERS, page 30.

Lime-Sulphur. Dry. Lb. pkg. 30c; postpaid 40c; 5 lb. pkg. \$1.25; postpaid \$1.40.

ASK FOR FREE SPRAYING GUIDE

***Melrosine.** Particularly effective against rose bugs. Trial size, makes 1 gal. solution, 50c; postpaid 55c; 1 pint \$1.00; postpaid \$1.10; 1 quart \$1.75; postpaid \$1.90; 1 gal. can \$6.00; postpaid \$6.20.

Nico-Fume. For plant lice indoors. $\frac{1}{4}$ lb. can. 75c; 4 lb. can \$6.25; gal. can (8 lbs.) \$11.50.



Semesan. Seed and plant disinfectant. Prevents disease and blight, helps germination and promotes early growth. Ask for descriptive leaflets. 2 oz. size 50c; 1 lb. size \$2.75; 5 lb. size \$13.00.

Semesan Bel. Recommended for potatoes. 1 lb. size \$1.75; 5 lb. size \$8.00.

Semesan Jr. For corn and seeds of cereals. 4 oz. size 50c; 1 lb. size \$1.75; 5 lb. size \$8.00.

***Slug Shot.** A favorite for house plants, garden plants, shrubs, etc. 1 lb. can 25c; postpaid 35c; 5 lb. can 75c; postpaid 90c.

***Sulpho-Tobacco Soap.** For plant lice. 3 oz. cake 15c; 8 oz. cake 25c, all postpaid.

***Sulphur.** Powdered. 1 lb. 10c; 3 lbs. 25c; 10 lbs. 55c; 100 lbs. \$3.50. If by mail add postage.

Sunoco Spray Oil. For scale on trees and shrubs. 1 gal. can. \$1.50; 5 gal. can \$6.00, not postpaid.

***Tobacco Dust.** For dusting powder. 1 lb. 10c; 3 lbs. 25c; 10 lbs. 75c; 100 lbs. \$3.25. If by mail add postage.

***Volek.** A spray for garden and nursery pests, scale, etc. $\frac{1}{2}$ pint can 50c; pint can 75c; quart can \$1.00. If by mail add postage.

***Whale Oil Soap (Fish Oil).** 1 lb. pkg. 30c; postpaid 40c; 5 lb. pkg. \$1.25; postpaid \$1.40.

* SHEPS PLANT SPRAY



This NON-POISONOUS spray gives positive protection against both sucking and chewing insect pests, including Aphids, Thrips, Green Flies, White Flies, Mealy Bugs, Worms, Caterpillars and others. Harmless to humans, birds, animals and pets. Will not injure the most delicate plants. Benefits soil and foliage. Absolutely the easiest spray to mix—no soap sud solution, perfect emulsion—20 seconds from bottle to plant.

PRICES POSTPAID

2-oz. Bottle (makes 4 gals Spray Sol.)	....	.35
8-oz. Bottle (" 16 " " " )	....	.75
Pint Bottle (" 32 " " " )	....	1.25
Quart Can (" 64 " " " )	....	2.00
Gallon Can (" 256 " " " )	....	6.35
5-Gal. Can (" 1280 " " " )	....	30.00

Bulk Prices Quoted On Request

PEST EXTERMINATORS



Antrol. The surest cure for ants. Comes in a set of 4 jars for placing in runs or hills, and a 4-oz. jar of poisoned syrup. Complete for 95c. Extra syrup 45c for 4-oz. jar. Extra empty jars 15c each. Cannot be mailed.

Snarol. A poisoned bait for snails and cutworms. 1-lb. pkg. 45c; 3-lb. pkg. 95c. Cannot be mailed.

Terro Ant Killer. This item proved very effective since its introduction three years ago. A liquid for placing in ant hills and runs. 2-oz. bottle 50c. Cannot be mailed.



Cyanogas. A volatile gas in dust form used in ant hills and mole, gopher and prairie dog holes. Just about 100% effective. ½-lb. can 45c; 1-lb. can 75c; 5-lb. can \$3.00. Cannot be mailed.

Dandelion Doom. Kills dandelions and noxious weeds in lawn. Quart can 50c; half-gal. can 60c; gallon can 90c. Cannot be mailed.

K-O Fly Spray. A superior fly and insect spray to use on refuse piles, or direct on animals. 1 gal. can \$1.50; 5 gal. can \$6.75. Not postpaid.

Knox-Them-All Spray. For bed bugs, etc. Pint cans 40c; quart cans 75c; half-gal. cans \$1.45; gallon cans \$2.40. Not postpaid.

Mouse Seed. Seeds that kill mice. 2-oz. pkg. 25c; 1-lb. can \$1.50. Cannot be mailed.

K-R-O (Kills rats only). A non-poisonous rat bait in powdered form. Harmless to humans, dogs, poultry, etc. Directions on each package. 75c; postpaid 85c.

Peterman's Ant Food. 2-oz. can 20c; postpaid 25c; 4-oz. can 35c; postpaid 45c; 8-oz. can 60c; postpaid 70c.

Peterman's Discovery. Liquid for bedbugs, etc. Small can 20c; medium can 35c; pint can 60c. Not postpaid.

Peterman's Roach Food. 4-oz. can 35c; postpaid 45c.

Poison Wheat-Sweeney's. 2-oz. pkg. 15c; 4-oz. pkg. 30c; 1-lb. pkg. 60c. Cannot be mailed.

Rat-Nip. A rat poison in paste form. Use on banana, sweet potato, cake, etc. Per tube 35c. Cannot be mailed.

Sodium Fluoride. Use against roaches, etc. Also used for poultry lice. 1-lb. pkg. 25c; postpaid 35c. Quoted in bulk on request.

Traps. Victor spring traps for mice. 5c each; 3 for 10c. Add postage. Wood choker mouse traps, 4 holes, 15c each. Add postage. Spring rat traps, 15c each; postpaid 20c.

SPRAY PUMPS

Don't let the bugs get your crops. Remember that "a squirt in time saves nine."

Free book on How, What and When to spray, on request

Hudson Household Sprayer No. F-2. A small sprayer for the home. Each 25c; postpaid 35c.

Hudson Misty Sprayer No. 452. A tin quart capacity hand sprayer. Each 50c; postpaid 60c.

Brown's Continuous Sprayer No. 26. Quart tin tank \$1.00; post paid \$1.10; quart brass tank \$1.50; postpaid \$1.60; quart glass tank \$1.25; postpaid \$1.35.

Brown's Whirlwind Sprayer. Quart tank, tin. 50c each; postpaid 60c.



Brown's Twin Blast Sprayer. Glass reservoir. Will outlast several cheaper sprayers. 75c each; postpaid 85c.

Brown's No. 50 Compression Sprayer. 3 gal. capacity. With heavy galvanized tank, \$6.00; postpaid \$6.25. With heavy brass tank, \$5.50; postpaid \$5.75.



Brown's Bucket Pump No. 6. Will develop 200 lbs. pressure with ease. Each \$4.25; postpaid \$4.40.

Brown's Duster No. 1. Holds half pint powder. Each 60c; postpaid 70c.

Brown's Crystal Duster. A new powerful duster with glass container. One-quart capacity. Each \$1.35; postpaid \$1.45.

Hudson Junior No. 140-G. A 2½-gal. compression sprayer. Ea. \$4.50; postpaid \$4.65.

Hudson Thrifty No. 120-G. Similar to above but not quite as heavy a tank. \$4.00; postpaid \$4.15.

Hudson Perfection No. 110-G. 4-gal. capacity. Heavy tank. Each \$6.50; postpaid \$6.75. Same style with brass tank, No. 110-B, each \$9.50; postpaid \$9.75.

Bamboo Extensions. 8 feet long. Each \$3.25.

Bordeaux Nozzles. 60c each, postpaid.

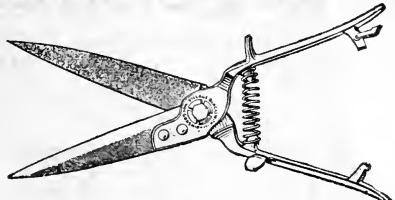
Shut-off Nozzles. \$1.50 each, postpaid.



Miscellaneous GARDEN TOOLS

THE VILLAGE BLACKSMITH LINE

Grasnip Shear No. 410. With 6-inch cutlery



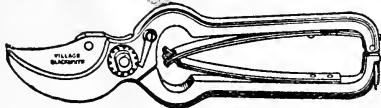
blades, a tool that will come in handy in many ways. Good for cutting grass, vines and light shrubs. **80c each, postpaid.**

Grass Hooks No. 3. Swings perfectly in the



hand with little effort. Forged cutlery steel, tempered edge, ground sharp and whetted. **65c postpaid.**

Pruning Shears No. V188. Full polished,



forged tool steel; length 8 inches. **\$1.75 each, postpaid.**

Graswips No. 160. Cut your grass and



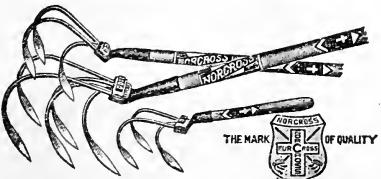
weeds the new way without stooping. Cuts both ways. 37 inches long with 9½-inch tool steel blade. **\$1.00 each, postpaid.**

Special Dandelion Knives No. 219. The one



we have all been looking for. Will not bend. 15 inches long. Tool steel, tempered, with enameled, corrugated handle. **35c each, postpaid.**

Norcross Cultivators. Every home needs one.



No. 55, 5-prong with full length handle, **\$1.25, not postpaid.**

No. 33, 3-prong, medium length handle, **90c, not postpaid.**

No. 11, 3-prong, short handle, **60c; postpaid for 75c.**

Garden Trowels No. T10. 6-inch heavy



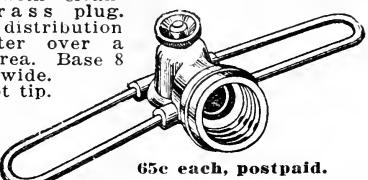
crucible steel, forged, one-piece, with hardwood handle. **75c each, postpaid.**

Garden Trowels No. T20. 6-inch rolled steel, riveted blade. **25c each, postpaid.**

Garden Trowels No. T25. 6-inch transplanting. Heavy rolled steel blade. **15c each; 25c postpaid.**

Sprinklers No. 19. Non-corrosive—won't clog—with clean-out brass plug.

Equal distribution of water over a large area. Base 8 inches wide. Will not tip.



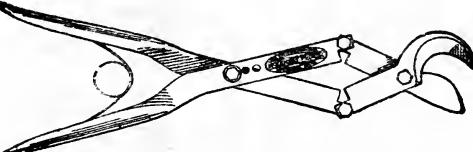
65c each, postpaid.

McKenney Pruner No. 0. An excellent



pruner with handy grip. **\$1.50 each, postpaid.**

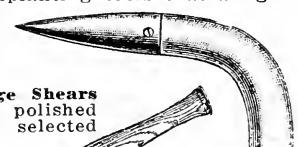
McKenney Pruner No. 1. A pruner that



clips off surprisingly large branches with very little pressure. **\$2.25 each, postpaid.**

Dibbles. Transplanting tools that all gardeners use.

Each 50c; postpaid 60c.



Trimsnip Hedge Shears No. 08. Full polished

blades with selected



maple handles, 8-inch blades with notch. One of the best models offered. **\$2.65 each, postpaid.**

Hedge Shears No. 600. Ladies' size with long handles, 6-inch blades. **\$1.60 each, postpaid.**

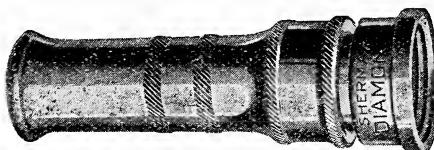


No. 52

Grass Shears No. V52. 80c each; postpaid 90c.

RUBBER HOSE and Miscellaneous LAWN and GARDEN REQUISITES

RUBBER HOSE. "Vigilant" brand. A heavy ribbed $\frac{5}{8}$ -inch hose that will give years of service; 25-foot length, complete with couplings, \$2.45; 50-foot length, complete, \$4.75; 100 feet or more at 9c foot. Extra couplings 25c set.



Diamond Nozzle

"Diamond" Hose Nozzles. 55c each; postpaid 60c.

Boston Nozzles. Similar to above. 75c; postpaid 80c.

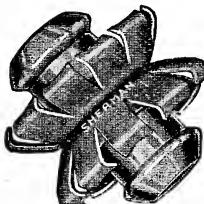
Twin Sprinklers. 35c each; postpaid 40c.

Hose Washers. Box of 12 for 10c, postpaid.



Brass Mender Tubes

Brass Mender Tubes. 5c each, postpaid.



Clinching Menders



Hose Clamps

Clinching Menders. 10c each, postpaid.

Hose Clamps. 5c each, postpaid.

GLASS CLOTH

CEL-O-GLASS. Genuine Cel-O-Glass, made by Acetol Products Co., is the strongest and best made of the screen-wire base products. Since May, 1930, a new process has been used, resulting in a longer life article. Prices quoted below are not postpaid. If wanted by mail, add 2c for each yard.

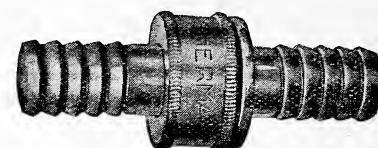
36 inches wide, \$1.22 per running yard
28 inches wide, .96 per running yard



SUN-TEX Glass Cloth. Be sure you ask for Genuine SUN-TEX when ordering glass cloth. The coating used on SUN-TEX is guaranteed not to run when exposed to the direct rays of the sun. One width only, 36 inches.

Less than 10 yards (cut to order), per yard	\$.35
15-yard roll	4.80
25-yard roll	6.90
50-yard roll	13.75
100-yard roll	27.50

ALL POSTPAID



Sherman Couplings



Rose Sprinkler

Sherman Couplings. $\frac{5}{8}$ inch. 15c each, postpaid.

Rose Sprinklers. 40c each, postpaid.

Wire Hose Holders. 10c each; postpaid 15c.

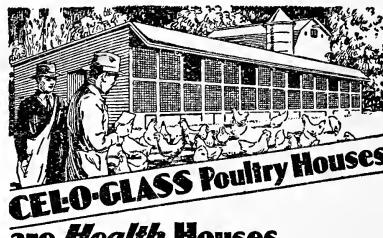


The FLEX-NEK

Hose Holder rests firmly on lawn or walk, and remains set in any direction placed.

\$1.00 each;
postpaid
\$1.10.

NOZZLES NOT INCLUDED



CEL-O-GLASS Poultry Houses
are Health Houses

FOR PLANT PROTECTION
Germāco

Hotkaps

An individual hothouse for each and every plant. Protects plants from frost and other elements. Matures crops earlier, keeps insects out, and keeps soil soft. Full directions in free circular.

1 doz. 30c; postpaid 35c; 100 for \$1.50; postpaid \$1.65; 1,000 for \$11.50, not postpaid.

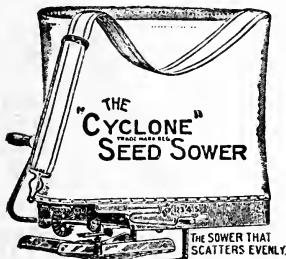
Handy Box Lot of 250 Hotkaps with one fibre setter, \$4.00; postpaid for \$4.40.

Metal Setters, \$2.50 each; postpaid \$2.75.

Tamper, a special tool to use in placing soil over edge of Hotkap, 25c each; postpaid for 30c.

THE LAWN POLICEMAN

A metal sign, very substantially made, green with white letters, size about $5\frac{1}{4}$ by $8\frac{1}{4}$ inches, stands about 10 inches high, each 25c; postpaid 35c.



CYCLONE SEED SOWER

A hand sower that saves time and energy.

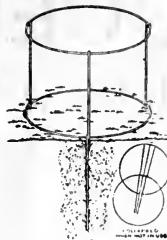
**Price \$2.00
Postpaid \$2.25**

DAISY FOLDING PLANT SUPPORT

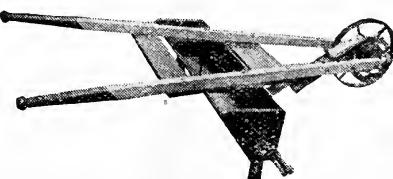
For Peonies, Tomatoes, etc., etc. Can be folded up and put away when season is over.

No. 1. Has one 16-inch hoop, electric welded, and 3 rods 27 inches long looped on the hoop. Each 35c; 1 doz. for \$3.60, postpaid.

No. 2. Has two 16-inch hoops and 3 legs so constructed that the hoops are evenly spaced 13 inches apart and legs extend 12 inches above the surface. Each 55c; 1 doz. for \$6.00, postpaid.



VIGORO SPREADERS



This implement for spreading Grass Seeds and Fertilizers is a companion to the lawn mower as a household necessity. When used for seeding and spreading fertilizers and all dry materials on lawns, parkways, golf tees, greens, flower and truck gardens, it not only saves time and labor, but broadcasts evenly and accurately. Spreads as fast as a man can walk and is quickly adjusted for any quantity desired. 14-inch \$9.00; 24-inch \$12.75; 36-inch \$26.00, f.o.b. Denver.

Books for Better Gardens

Inexpensive books that deal directly with the subject, or subjects, that most appeal to you. Prices quoted are postpaid.

Garden Guide. By many experts. A complete handbook for the amateur gardener on flowers, fruits and vegetables and every other phase of gardening. 388 pages and over 275 teaching illustrations. **Paper \$1.10; cloth \$1.65.**

Rock Garden Primer. By Archie Thornton. Covering the subject from the ground up for the beginner. 152 pages. **\$2.15.**

The Book of Annuals. By Alfred C. Hottes. A reliable guide on the cultivation and use of these popular favorites. 182 pages. **\$1.65.**

The Book of Perennials. By Alfred C. Hottes. How to grow and enjoy the most durable of all the border plants. 200 pages. **\$1.65.**

1,001 Garden Questions Answered. By Alfred C. Hottes. In this book will be found a wealth of garden facts which hundreds of men have spent their lives in obtaining. 320 pages. **Paper, \$1.65; cloth, \$2.15.**

Adventures in Dish Gardening. Patten Beard. The fascinating art of making gardens in dishes. Every angle explained through illustrations and text. 220 pages. **\$2.65.**

Practical Landscape Gardening. By Robert Cridland. For the owner of a modest home, telling how to plan and plant from a 20-foot plot up. 280 pages. **\$2.65.**

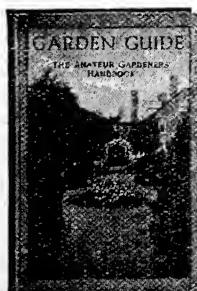
Water Gardens and Goldfish. By R. V. Sawyer and E. H. Perkins. Two closely related subjects presented under the one cover. 112 pages. **\$1.65.**

Milady's House Plants. By F. E. Palmer. For those seeking success with plants in the home. 176 pages. **Paper \$1.10; cloth \$1.35.**

Modern Dahlia Culture. By W. H. Waite. One book the Dahlia grower needs. 132 pages; four full page color plates. **\$1.65.**

Rose Garden Primer. By Eber Holmes. Tells the truth about Rose growing at home for pleasure. 224 pages. **\$1.90.**

Practical Plant Propagation. By Alfred C. Hottes. An amateur's book of the art and science of increasing plants. 224 pages. **\$2.15.**

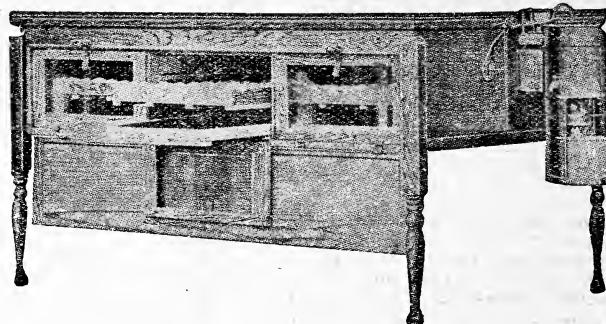


QUEEN INCUBATORS

The Leading Hatcher in High Altitudes and Dry Climates

The Queen Incubator again leads the field in number of chicks hatched and weight per chick, showing that the Queen ventilation is well-nigh perfect.

and showing that the queen ventilation is well-nigh perfect. In hatching in Colorado, many incubators must be altered in order to allow sufficient ventilation to furnish the necessary moisture. This is not the case with the Queen.



Notice That We Pay All Carrying Charges on All Incubators and Brooders

All STANDARD QUEEN INCUBATORS are heavily built, carefully put together, and so constructed that they will last a lifetime. There is nothing cheap about the Standard Queen except the price.

The Style K QUEEN INCUBATORS meets the demand for a reasonably good incubator at a popular price. They will give just as good results as the Standard Queen models if conditions are ideal. The Standard Queen models are recommended, however, where there is any doubt about hatching conditions, changes of temperature, ventilation, etc.

Prices. Freight Paid to Your Station.

STYLE K MODELS

No. 20K	70 egg capacity.....	\$ 18.50
No. 21K	130 egg capacity.....	27.50
No. 22K	220 egg capacity.....	36.75

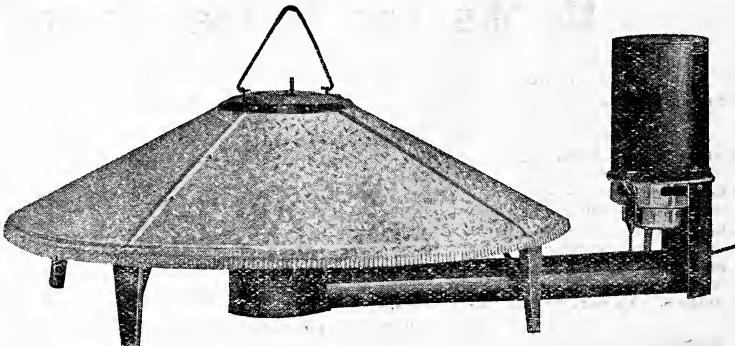
STANDARD MODELS

STANDARD MODELS			
No. 1.	85 egg capacity.....		\$ 27.50
No. 2.	135 egg capacity.....		39.50
No. 3.	180 egg capacity.....		44.50
No. 4.	275 egg capacity, with turning trays.		57.75
No. 5.	400 egg capacity, with turning trays.		76.50
No. 25.	600 egg capacity, with turning trays.		97.50
No. 30.	800 egg capacity, with turning trays.		147.50
No. 40.	1,000 egg capacity, with turning trays.		190.00
No. 50.	1,500 egg capacity, with turning trays.		280.00
Extra Turning Trays, not prepaid, each.			4.00

QUEEN OIL BURNING BROODERS

The illustration shows the extra strong construction of the canopy legs. Note how sturdily they are braced — an innovation in brooders.

**Clear,
Regular
Heat from
a Clear
Blue Flame**



That's what you get from the Nesco Heater in every Queen Oil Burning Brooder. **No smoke—no gas!** This burner stands strictly in the center of brooder. The clear, blue flame rises from the top of the chimney (which is 12½ inches above floor) directly to the ventilator or cap at center of hover—then spreads evenly all around. Supply tank is located outside the hover, connected by a long supply pipe. Regulation is controlled by the handle at the tank. Oil runs into sub-tank and flows through supply pipe into the burner, saturating the wick which feeds to the flame.

burner, saturating the wick which feeds to the flame.

Wick of indestructible asbestos. No solder used on burner. All welded. Leaks almost impossible. Oil cannot overflow burner. Attractive guard around burner and cross pipes.

Two gallon metal tank. Will burn 48 hours without refilling. Metal tank minimizes fire risk. No overflowing. No bottle to break. Few moving parts. All visible. Strong and rugged. Parts seldom need renewal.

PRICES PREPAID TO YOUR STATION

300 Chick Size (wt. 35 lbs.), 32-inch Hover.....	\$16.75
600 Chick Size (wt. 40 lbs.), 42-inch Hover.....	19.50
1,000 Chick Size (wt. 45 lbs.), 52-inch Hover.....	21.00

QUEEN

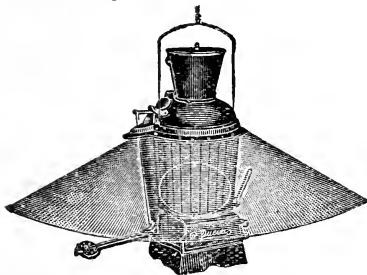
STOVE BROODERS

BURN EITHER HARD OR SOFT COAL
FREE, COMPLETE QUEEN CATALOG
ON REQUEST

GASPROOF and FIREPROOF. There are no drafts on the smokepipe of the Queen Stove Brooder. The check rests on top of the stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat. When it is too cool the wafer contracts and closes the check and at the same time opens the draft. This keeps an even heat all the time.

Hundreds of farmers use Queen Stove Brooders in their hog houses to protect winter and early spring litters from chilling. Results prove that they save many pigs that would ordinarily have been lost.

Queen Stove Brooders are slightly larger at the bottom than at the top, thus preventing the clogging of stove toward morning, that is so common in some brooders. Complete brooder catalog sent free on request.



QUEEN STOVE BROODERS, FREIGHT PAID TO YOUR STATION

No. 0,	400 chick capacity, 42-inch canopy.....	\$15.75
No. 1,	800 chick capacity, 52-inch canopy.....	21.00
No. 2,	1,200 chick capacity, 56-inch canopy.....	26.00
No. 4,	1,600 chick capacity, 60-inch canopy, magazine stove.....	31.50
Roof Saddles, not prepaid:	4" \$1.75 each; 5" \$1.85 each.	
Brooder Stove Pipe, not prepaid:	2-foot joints. 4" 20c each; 5" 25c each; 6" 30c each.	
Elbows, same price as stove pipe.	Adjustable Elbows. 4" 35c each; 5" 40c each.	
Reducing Stove Pipe. 5" to 4" 50c each.	Stove Pipe Dampers. 25c each; postpaid 30c each.	
Increasing Stove Pipe. 4" to 5" 40c each; 5" to 6" 45c each.		
Wafer Thermostats for Stove Brooders. 3" double brass, fit any stove brooder, 50c each postpaid; 4" size for incubators, \$1.00 each postpaid.		

MOE'S DRUM TYPE OIL BROODERS

Moe's Automatic Drum Type Brooder. A modern dependable heater for brooder houses. Efficient, safe and reliable.

Has a new and improved powerful burner which starts on, and burns, ordinary distillate (38-40) fuel oil, or burns kerosene oil if preferred.

No wicks or lighting rings are used.

Has a very wide range from a tiny flame to a powerful hot blast, always with perfect combustion and economy in the use of fuel.

Automatic Control. The heat is constantly and automatically regulated by a simple and positive thermostatic control, so that an even, uniform heat is maintained under all conditions.

The burner is fitted with an overflow pipe, as an extra precaution, but this does not function except in emergency.

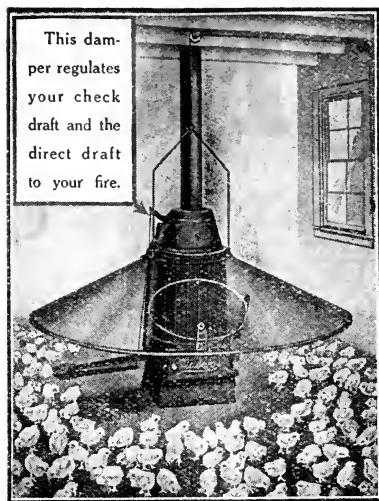
The Canopy. An important improvement in canopy design. It is so made as to concentrate and deflect downward all of the intense heat that accumulates just over the burner. Also requires less floor space than other brooders of this type. Diameter of canopy 36 in., with 3-in. apron, which deflects the heat downward where it is needed.

Each brooder is also fitted with a 5-in. galvanized tee, and a patent **Draft Adjuster**, which adds greatly to the efficient and economical operation of any heater.

Size of smoke pipe 5 in. Capacity of tank 10 gals. Full directions with each brooder.

No. 230—Brooder, complete with canopy, galvanized tank, galvanized 1/4-in. pipe and fittings. Smoke pipe tee and Draft Adjuster. Shipping weight 70 lbs. Each...\$34.00

PREPAID TO YOUR STATION IF BY FREIGHT



FUL-O-PEP

POULTRY FEEDS

Manufactured
... by

Quaker Oats Company



Poultrymen realize that the necessity for proper feeding is more important when market prices are off than when they are high, for the reason that to show a profit on a low market fowls must be brought to maturity with as little loss as possible and their growth and development must be as nearly perfect as possible to insure maximum egg production.

Ful-O-Pep Feeds continue to lead the procession when honest quality is considered, and the user will find his birds, at any stage of development, superior in every way to those raised on the regular run of feeds.



PRICES QUOTED ARE SUBJECT TO CHANGE WITHOUT NOTICE



Ful-O-Pep Chick Starter	Lots	500 lb. Lots	1,000 lb. Lots	2,000 lb. Lots
100 lb. bags.....	\$4.45	\$4.40	\$4.35	\$4.30
50 lb. bags.....	2.30	...	...	...
25 lb. bags.....	1.30	...	...	...
8 1/3 lb. bags.....	.45	...	...	...

Ful-O-Pep Growing Mash

100 lb. bags.....	3.65	3.60	3.55	3.50
50 lb. bags.....	1.90	...	...	...
25 lb. bags.....	1.05	...	...	...
8 1/3 lb. bags.....	.35	...	...	...

Ful-O-Pep Egg Mash

100 lb. bags.....	3.40	3.35	3.30	3.25
50 lb. bags.....	1.80	...	...	...
25 lb. bags.....	1.00	...	...	...

Ful-O-Pep Fine Chick Feed

100 lb. bags.....	3.10	3.05	3.00	2.95
50 lb. bags.....	1.65	...	...	...
25 lb. bags.....	.90	...	...	...



MISCELLANEOUS POULTRY FEEDS

Not Prepaid. Prices Subject to Market Changes

	100 lbs.	50 lbs.	25 lbs.
Alfalfa Leaf Meal.....	\$ 3.20	\$1.70	\$.90
Barley, Rolled.....	1.85	1.05	.60
Blood Meal.....	5.00	2.60	1.35
Bone Meal.....	3.00	1.60	.85
Buttermilk, Powdered.....	8.50	4.50	2.50
Buttermilk, Semi-solid (in bbls. of about 450 lbs.).....	3.75	...	...
Charcoal, any size.....	2.75	1.50	.90
Cod Liver Meal.....	12.00	7.50	4.75
Flaxseed Meal.....	9.00	4.60	2.40
Egg-A-Day, Tonic.....	5.50	3.00	1.75
Grit, any size.....	1.35	.80	.50
Ground Oil Cake.....	4.00	2.20	1.20
Meat Scrap Meal.....	3.25	1.75	1.00
Meat Scrap, Swift's.....	3.85	2.10	1.10
Oyster Shell.....	1.25	.75	.50
Sunflower Seed.....	5.25	2.75	1.50
Yeast, Northwestern (4-lb. box for \$1.00 postpaid).....	...	...	6.00

Water Fountains and Feeders

For Chicks and Chickens

O. K. FOUNTAINS

No. 400 O. K., \$5.25, postpaid \$5.45. This is an insulated fountain with drinking space all around the fountain. Keeps water warm in cold weather, or cool in warm weather. Excellent as a baby chick fountain by removing from the base and placing flat on the floor. Made of copperized galvanized iron, which lasts much longer than the ordinary galvanized. Equipped with handy appliance to release the water instead of the old cork style. Made in two sections that come apart, making it easy to clean. Many poultry raisers tell us this is the finest waterer they have ever used.

No. 3 O. K. Super Heated Fountain. 2½ gallon capacity, similar to the No. 400, except that it has a lamp in the base, guaranteeing warm water in the coldest weather. Price \$3.40; postpaid \$3.55.

No. 4 O. K. Same as above except holds 5 gallons. Price \$4.40; postpaid \$4.60.

No. 10 O. K. 10 gallon capacity. Price \$6.50; postpaid \$6.75.

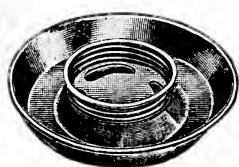


No. 400 O. K.

MASON JAR FOUNTAINS

No. 142. Fits any standard jar, pint, quart, or 2-quart. Galvanized, each 10c; 1 doz. for \$1.00, postpaid. Same style in charcoal tin for buttermilk, each 10c; 1 doz. for \$1.00, postpaid.

No. 32, Star Shaped. Galvanized. Each 10c; 1 doz. for \$1.00, postpaid.



No. 142
Mason Jar Fountain

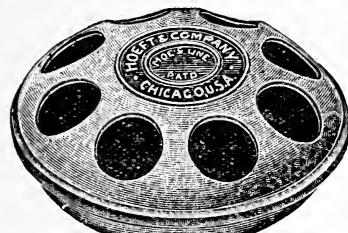
BOTTOM FILL FOUNTAINS

Made in two pieces, easy to clean.
No. 19. 1 quart capacity. Each 25c; 1 doz. for \$2.50, postpaid.

No. 20. ¼ gallon capacity. Each 35c; 1 doz. for \$4.00, postpaid.

No. 24. 1 gallon capacity. Each 50c; 1 doz. for \$5.50, postpaid.

Bottom Fill Fountain



Moe's Round Chick Feeder

ECLIPSE FEEDING TROUGH

Nos. 137 and 138 made of charcoal tin for feeding milk or buttermilk.

No. 27—10 in. long, 10 holes.....
No. 28—20 in. long, 20 holes.....
No. 137—10 in. long, 10 holes.....
No. 138—20 in. long, 20 holes.....

Each 25c	6 for \$1.25	1 doz. for \$2.40
Each 35c	6 for 1.75	1 doz. for 3.50
Each 30c	6 for 1.60	1 doz. for 3.00
Each 40c	6 for 2.00	1 doz. for 4.00



Moe's Eclipse Feeding Trough



Double Chick Feeder

No sharp or rough edges. Well made of galvanized steel. Sliding top, easy to fill and clean. Just what you want. Prices quoted are postpaid.

No. 55—Single, length 12 in., 9 holes.....	Each 25c	Doz. \$2.50
No. 56—Single, length 18 in., 13 holes.....	Each 35c	Doz. 3.50
No. 57—Single, length 24 in., 18 holes.....	Each 40c	Doz. 4.00
No. 58—Double, length 12 in., 18 holes.....	Each 30c	Doz. 3.00
No. 59—Double, length 18 in., 26 holes.....	Each 45c	Doz. 4.50
No. 60—Double, length 24 in., 36 holes.....	Each 55c	Doz. 5.50
No. 76—Double, length 36 in., 54 holes.....	Each 75c	Doz. 7.50



Single Chick Feeder

FOUNTAINS AND FEEDERS—Continued

MOE'S INTERMEDIATE FEEDER

Length of feeder 32 in., width 8 in., depth of pan 3½ in., total height 7 in. Capacity 12 quarts of feed. Has a total of 34 feeder holes, 17 on each side.

No. 154. Galvanized Intermediate Feeder. **Each \$1.45; dozen \$14.50, postpaid.**

No. 155. Bright Tin Plate Feeder and Waterer. **Each \$2.00, postpaid.**

FOR MILK OR BUTTERMILK

MOE'S FIVE-FOOT FEEDER

The trough is made of extra heavy galvanized steel and holds 32 quarts of feed. It is five feet long, 8 in. wide and 5 in. deep. Has wide turned-in flanges on each side to prevent waste of feed.

The wire guards are of heavy No. 7 hard galvanized wire, correctly spaced, and electrically welded. Hinged in one unit, so the entire guard can be thrown back for filling and cleaning.

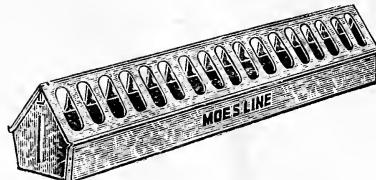
Removable Trough. The trough rests securely on the stand, but is not bolted down and can be easily lifted off to dump and clean it, which is a highly desirable feature.

The stand has strong angle iron legs, well braced, complete with stout wooden perches.

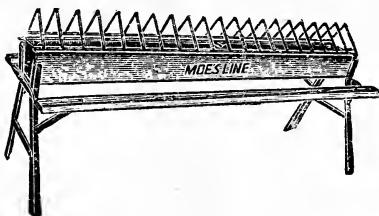
Total height of stand 27 in. Height of perches 17 in.

No. 355. Complete with stand and wire guards. **Each, prepaid, \$5.75.**

No. 356. Trough only, with wire guards (no stand). **Each, prepaid, \$3.75.**



Moe's Intermediate Feeder



Moe's Five-Foot Feeder
A New Five-Foot Feeder
with Removable Trough

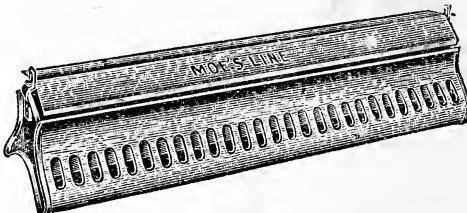
GEM CHICK FOUNTAINS



A good, inexpensive fountain for chicks or grown fowl. Made of galvanized steel. Easy to fill and clean. The fluted pan is shaped to care for up to 18 chicks at a time without crowding or danger of getting the chicks wet. Diameter of pan, 10 in. Has a substantial top handle for carrying. In two sizes.

- Gem Chick Fountain**
- No. 158.** 1 gallon capacity. **Each 65c; dozen \$6.50, postpaid.**
 - No. 159.** 2 gallon capacity. **Each 95c; dozen \$9.50, postpaid.**

TILTING TOP LARGE CAPACITY FEEDER



No. 141-T. This Feeder has a tilting or swinging top so that chickens cannot perch on it. A fine feeder for large or small flocks. Capacity 17 quarts. Length 35 in., width 8½ in., height 9 in. Has 27 feeder openings on each side or a total of 54 feeder holes. **Each \$1.95; per dozen \$19.50; postpaid \$23.40.**

Miscellaneous Poultry Requisites

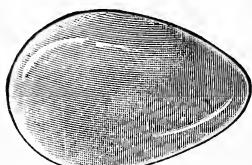
EGG PRESERVERS

We recommend "FLEMING'S EGG KEEP," an egg paste, quickly applied with the hands, that will keep a fresh egg fresh for from six to ten months. Eggs so preserved are frequently sold as new-laid eggs after a period of many months. They can be boiled, poached, or whites whipped, or served in any way you would serve a day-old egg. **2 oz. can (sufficient for 60 to 90 doz. eggs) \$1.00; 4 oz. can \$1.50, postpaid.**

Lee's Egg-O-Latum. **2 oz. jar 50c; 8 oz. jar \$1.00, postpaid.**

Water Glass. Pint can (enough for 12 doz.) 25c; quart 40c; half gallon 70c, postpaid.

NEST EGGS



Nest Egg

**Porcelain or Lime, 3 for 10c;
35c doz. Add 10c doz. if by
mail.**



Fleming's Egg Keep

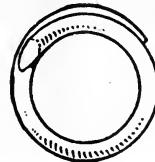
CAPONIZING INSTRUMENTS

Pilling's "Philadelphia" \$2.50; "Farmer" \$3.00; "Special" \$4.00; "Jersey" \$4.50; "Farmer Miles" \$5.00; "Twining" \$4.00; "Lansdowne No. 1" \$4.00; "Lansdowne No. 2" \$3.50; "Cornell" \$5.00. We recommend the "Cornell" or "Lansdowne No. 1." All postpaid.

Leg Bands for Poultry, Pigeons and Turkeys

COLORED SPIROL LEG BANDS

Made of celluloid in the following non-fading colors: White, Black, Red, Garnet, Pink, Green, Dark Blue, Light Blue, Purple, and Yellow. Please be sure to order by number, otherwise we may send the wrong size. When ordering less than 100, please add 10c for postage. Prices quoted are postpaid when 100 or more are ordered.



Spirol Leg Band

Spirol No. 96, Baby Chick Size

12 for.....	\$0.05	500 for.....	\$1.25
50 for.....	.20	1,000 for.....	.20
100 for.....	.30		

Spirol No. 95, Pigeon Size

12 for.....	\$0.05	500 for.....	1.25
50 for.....	.20	1,000 for.....	.20
100 for.....	.30		

Spirol No. 94, Bantam Size

12 for.....	\$0.06	500 for.....	1.75
50 for.....	.25	1,000 for.....	.225
100 for.....	.40		

Spirol No. 93, Leghorn Size

12 for.....	\$0.10	100 for.....	.50
36 for.....	.25	500 for.....	.25
50 for.....	.30	1,000 for.....	.375

Spirol No. 92, Reds and Rocks

12 for.....	\$0.10	500 for.....	2.35
50 for.....	.35	1,000 for.....	.40
100 for.....	.50		

Spirol No. 398, Turkey Size

12 for.....	\$0.15	100 for.....	.75
24 for.....	.25	500 for.....	3.25
50 for.....	.40	1,000 for.....	6.00

Spirol No. 91, Orpington Size

12 for.....	\$0.10	500 for.....	2.50
50 for.....	.35	1,000 for.....	.425
100 for.....	.55		

"BANDETTES"

A Spirol celluloid band about $\frac{3}{8}$ in. wide. The band is a bright red with a prominent black number. Packed 25 in a box.

25 for.....	\$0.50	500 for.....	\$ 7.00
50 for.....	.95	1,000 for.....	13.50
100 for.....	1.75		

O. K. Pioneer Poultry Litter

POULTRYMEN INSIST ON O. K. PIONEER Poultry Litter

It Is a Labor Saver. It does not need to be changed often. Many poultrymen leave it down for a full year before replacing.

It Prevents Dampness, because of its great absorbing power. It is dry and will absorb several times its own weight of water.

It Is Sanitary. It appears to have certain germicidal properties. Laboratory tests have shown it to be remarkably free from bacterial and parasitic life.

It Prevents the Spread of Disease, by keeping the house dry and clean.

It Absorbs Offensive Odors, keeping the atmosphere of the house clean and pleasant.

It Keeps the Birds Clean. It prevents droppings from sticking to them, and thus reduces the number of dirty eggs.

It Makes an Ideal Dust Bath. It has a tendency to reduce lice, probably by suffocation.

It Keeps the House Warm in Winter, by acting as an insulator. It keeps the birds off the cold, damp floor.

It Is Economical. Though the original cost may be slightly higher, it outlasts other litter two or three times, and saves the labor of handling.

It Prevents Fire. It takes an intense heat to make O. K. Poultry Litter smolder, and it will never blaze.

It Makes a Valuable Fertilizer. Not only does it preserve the plant food value of the droppings, but the organic matter in peat moss itself is highly beneficial to the soil. Many poultrymen sell their O. K. POULTRY LITTER manure mixture to gardeners, florists and nurserymen at a high price.

No. 130 ALUMINUM LEG BANDS

MOE'S



No. 130 Aluminum Leg Band

The best numbered leg band for ordinary marking. Large, raised numbers that are easy to read. Adjustable for any size fowl. Packed in cartons of 12, 25, 50 and 100 bands each. Numbered 1 to 12, 1 to 25, 1 to 50, 1 to 100, 101 to 200, etc., up to 9,999, which is the largest number made. Prices are postpaid.

No. 130 Aluminum, Numbered, Adjustable Leg Bands.

12 for.....	\$0.15	100 for.....	\$0.55
25 for.....	.25	500 for.....	.25
50 for.....	.35	1,000 for.....	.425

COLORED LOCKFAST BANDS

Similar to the No. 130 Aluminum, except that the whole band is colored. We have them in three colors: Blue, Green and Red. Numbered 1 to 100. Please order in lots of 50 or 100. Prices are postpaid.

50 for.....	\$0.50	500 for.....	\$4.00
100 for.....	.90	1,000 for.....	7.00

"RELIABLE" NUMBERED BANDS

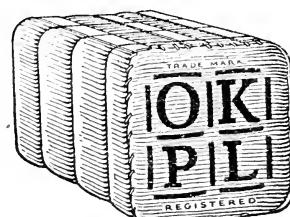
Wider and heavier than No. 130, with colored numbers. We have them in Blue, Green and Red. Please order in lots of 25, 50 or 100. Prices are postpaid.

25 for.....	\$0.50	500 for.....	\$ 8.00
50 for.....	.95	1,000 for.....	15.00
100 for.....	1.80		

"VICTOR" NUMBERED BANDS

Very wide with extra prominent colored number. Intended for marking exhibition birds or for trapnesting.

25 for.....	\$0.90	500 for.....	\$15.00
50 for.....	1.75	1,000 for.....	25.00
100 for.....	3.40		



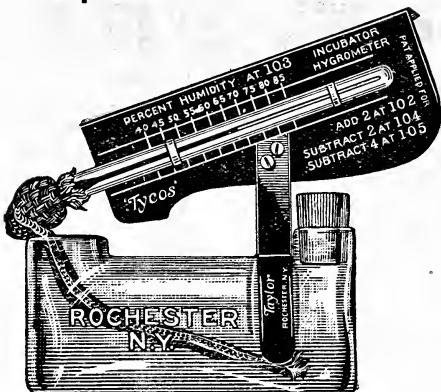
\$4.00

per 20 bushel
bale

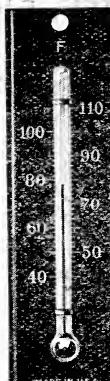
F. O. B. Denver

Ask for free illustrated booklet telling how to use O. K. Pioneer Poultry Litter.

POULTRY KEEPERS' REQUISITES

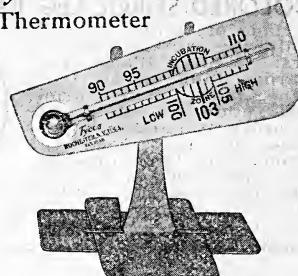


Tyco Hygrometer No. 5796

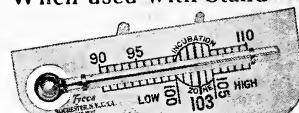


No. 5794
Brooder Thermometer

No. 5776
Tyco Incubation-Zone Thermometer



When used with Stand



When used without Stand

Hygrometers and Thermometers

"Tyco" Hygrometer No. 5796. No incubator should be run without a HYGROMETER, as it is necessary to have just the correct amount of moisture throughout the hatch. Full instructions with each hygrometer. Packed one in a box, complete for \$1.75, postpaid. Extra wicks, each 15c, postpaid.

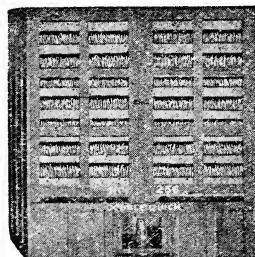
"Tyco" Incubator Thermometer No. 5776. Used with or without stand. Price, complete with stand, 75c, postpaid.

"Tyco" Certified Incubator Thermometer No. 5783. Similar to No. 5776, but certified and guaranteed absolutely accurate. Price, complete with stand, \$1.15, postpaid.

"Tyco" Brooder Thermometer No. 5792. Price 75c, postpaid.

"Tyco" Brooder Thermometer No. 5794. Red liquid, easy to read. Price 50c, postpaid.

"Tyco" Household Thermometer No. 5140-S. Suitable to hang in poultry house, or for outside use. Price 50c, postpaid.



Close-to-Nature Oat Sprouter

Close-to-Nature Oat Sprouters are made in two styles. The Premium Sectional Sprouters are made mostly of galvanized sheet steel with wood frames and are intended for use in a room where some heat is furnished. The Double Quick Sprouters are for use in unheated rooms. They are well constructed of Cypress Wood, well insulated, and produce the much-to-be-desired Vapor Bath Sprouts.

PRICES AND DESCRIPTION (All Prices Prepaid)

The Little Eggetter, 13x13x28 inches, 4 trays, 25 to 35 hens.....	\$ 7.95
Small Premium, 24x20x26 inches, 2 trays, 70 to 75 hens.....	10.00
Small Premium with 1 section, 8 compartments, 4 trays, 100 to 140 hens.....	15.00
Small Premium with 2 sections, 48-quart capacity, 6 trays, 150 to 200 hens.....	19.50
Small Premium with 3 sections, 64-quart capacity, 8 trays, 200 to 275 hens.....	23.50
Large Premium, 48-quart capacity, 6 trays, 150 to 200 hens.....	18.00
Large Premium with 1 section, 80-quart capacity, 10 trays, 250 to 325 hens.....	25.00
Large Premium with 2 sections, 112-quart capacity, 14 trays, 350 to 425 hens.....	31.50
Large Premium with 3 sections, 144-quart capacity, 18 trays, 450 to 550 hens.....	37.50
Large Premium with 4 sections, 176-quart capacity, 22 trays, 550 to 675 hens.....	43.00

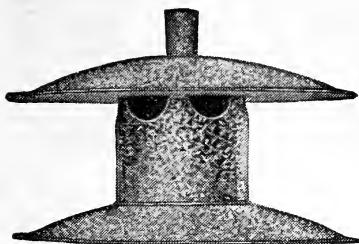
DOUBLE QUICK VAPOR BATH SPROUTERS

No. 24, weight 50 lbs., 24-quart capacity, 3 trays, 75 to 100 hens.....	18.00
No. 40, weight 90 lbs., 40-quart capacity, 5 trays, 125 to 175 hens.....	24.00
No. 80, weight 125 lbs., 80-quart capacity, 10 trays, 250 to 325 hens.....	36.00
No. 160, weight 200 lbs., 160-quart capacity, 20 trays, 500 to 600 hens.....	49.00
No. 256, weight 300 lbs., 256-quart capacity, 32 trays, 800 to 1,000 hens.....	72.00

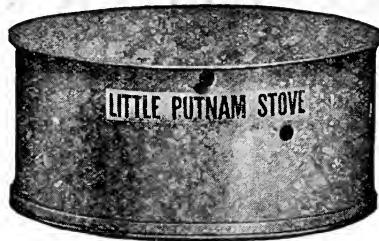
LITTLE PUTNAM STOVE AND PUTNAM BROODER HEATER

The Little Putnam Stove is nine inches in diameter and four inches high and BURNS THREE TO FOUR WEEKS WITHOUT REFILLING OR OTHER ATTENTION. Excellent as a fountain heater in cold weather.

Price complete.....\$1.95, postpaid
Extra Wicks 25¢ doz.



Brooder Heater

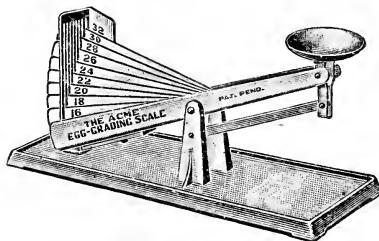


The Putnam Brooder Heater makes an excellent heater for small brooders. Ample for lots of 30 to 40 chicks. It requires tending and refilling only once a week and can be depended upon to furnish a regular supply of heat.

Price complete, with instructions for making a home-made brooder.....\$4.75, postpaid
Extra Wicks 40¢ doz.

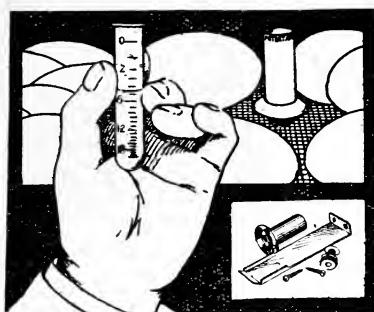
ACME EGG GRADING SCALE

The best egg scale we have seen, postpaid for \$3.00. This scale will accurately grade all eggs ranging from 16 ounces per dozen to 32 ounces per dozen. The operation of this scale is so simple a child can operate it. By placing an egg in the cup the beam will automatically adjust itself. The lowest number visible on the blades will indicate the weight in ounces of one dozen like eggs. The scale works so fast that eggs can be weighed and graded almost as fast as they can be picked up, placed in the cup and then in the carton or case which is properly marked for that particular grade of eggs. Ungraded eggs should never be marketed, as they bring a lower price than graded eggs.



Acme Egg Grading Scale

PATTERSON AND YOUNG MOISTURE GUIDE

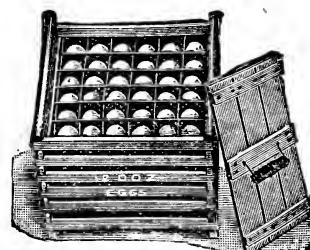


PATTERSON and YOUNG MOISTURE GUIDE

Has glass tube, telling when to give more moisture or ventilation. Worth many times its cost every time you set your incubator.

Price, postpaid, complete, \$1.00.

HUMPTY-DUMPTY EGG CARRIERS



Humpty-Dumpty Egg Carrier

Light slat construction, yet perfectly safe for shipping eggs to market.
Prices, 6 doz. size.....\$0.70; postpaid \$0.80
9 doz. size..... .75; postpaid .85
12 doz. size..... .80; postpaid .95
15 doz. size..... .85; postpaid 1.00

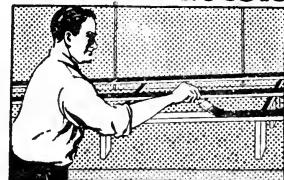
Discovered: A NEW CONTROL FOR POULTRY LICE

BLACK LEAF 40 WORKS WHILE THEY ROOST

It has been demonstrated that "Black Leaf 40," undiluted, painted on the top side of the roost will control body lice. This saves the labor of handling each bird, either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production. We regard this discovery as one of the greatest aids to poultry raising in the last generation. One ounce of "Black Leaf 40" will paint about 12 to 15 feet of roosts. One pound will paint 190 to 240 feet.

Prices—One ounce bottle 35¢; half pound bottle \$1.25; 1 pound bottle \$2.50; 2 pound tin \$3.75; 5 pound tin \$7.00; 10 pound tin \$11.85. Black Leaf 40, being a nicotine poison, cannot be sent through the mails.

'PAINT THE ROOSTS



COD LIVER OIL FOR POULTRY, DOGS FOXES, ETC.

The value of Cod Liver Oil is now recognized universally. Poultry, dogs, foxes, etc., respond quickly to its use. The market, however, is flooded with poor grades, making it difficult for those not informed to know how to order. We carry two brands, "Nopco Fortified" and "Ko-Vita." We believe these oils to be the best obtainable and their cost is reasonable.

Nopco Fortified Cod Liver Oil. The National Oil Products Co. is exclusive licensee in the United States and Canada of a process developed by Dr. Theodore F. Zucker, of Columbia University, of fortifying the vitamin potency of Cod Liver Oil. This FORTIFIED oil will go twice as far as other oils in feeding, on account of this increased potency. The ordinary feeding ration is 1%, but in using NOPCO FORTIFIED OIL we recommend $\frac{1}{2}$ of 1%.



Nopeco Fortified Cod Liver Oil, quart cans	\$ 0.75; postpaid \$ 0.85
Nopeco Fortified Cod Liver Oil, half gallon cans... .	1.40; postpaid 1.55
Nopeco Fortified Cod Liver Oil, gallon cans	2.60; postpaid 2.80
Nopeco Fortified Cod Liver Oil, 5 gallon cans.....	12.30; postpaid 12.80

Ko-Vita Cod Liver Oil. This is one of the better grades. It is pure Norwegian oil, tested for vitamin potency, but not fortified. It should not be compared in price with the cheap, low grade oils that are often lacking in the very elements that are most necessary.

Ko-Vita Cod Liver Oil, 2 oz. bottle, phosphated, postpaid.....	\$.25
Ko-Vita Cod Liver Oil, 5 oz. bottle, phosphated, postpaid.....	.50
Ko-Vita Cod Liver Oil, quart cans, plain, postpaid.....	1.00
Ko-Vita Cod Liver Oil, half gallon cans, plain, postpaid.....	1.75
Ko-Vita Cod Liver Oil, gallon cans, plain, postpaid.....	3.00
Ko-Vita Cod Liver Oil, 5 gallon cans, plain, postpaid.....	13.50
Ko-Vita Cod Liver Oil, 30 gallon barrels, plain, not prepaid.....	60.00

B-K (Bacili-Kil) Disinfectant



In our opinion the most wonderful disinfectant ever placed on the market. It is non-poisonous, non-obnoxious to poultry and animals, harmless to fur and skin, a sterilizer and deodorant. We know of nothing that will take its place. Descriptive folders free on request. Prices are postpaid.

B-K Disinfectant, 10 oz. bottles.....	\$.60
B-K Disinfectant, quart bottles.....	1.25
B-K Disinfectant, gallon bottles.....	3.00
B-K Distinfectant, 5 gallon bottles.....	12.50

WORMS IN POULTRY

It is a known fact that most poultry flocks are more or less infected with worms, and that worms must be eradicated if results are to be obtained. Wormy fowls will eat more than they should and produce less, hence it is readily seen that wormy flocks are not profitable. BARNES EMULSION is recommended because it is not a poison, rather it acts as a tonic. Two treatments are possible, both described fully in the BARNES BOOKLET, sent free on request. The use of BARNES EMULSION at regular intervals is not expensive and will prevent worms forming. When worms are present a 30-day treatment in the drinking water will be found advisable.

Where tape worms are suspected, we suggest the Kamala or Nema Capsule treatment, as it acts quicker than anything else. PRICES INCLUDE POSTAGE.

BARNES EMULSION

Pint size, enough for 12 fowls.....	\$.60
Quart size, enough for 25 fowls.....	1.00
Gallon size, enough for 100 fowls.....	3.00
5-gallon kegs, enough for 500 fowls.....	12.50

KAMALA AND NICOTINE CAPSULES

Box of 50.....	\$ 1.00
Box of 100.....	1.75
Box of 200.....	3.00
Box of 300.....	4.25

NEMA WORM CAPSULES, PARKE DAVIS & CO.

No. 188, for baby chicks and turkeys three weeks old or older. Box of 12 for 25c; box of 50 for 60c.

No. 187, for chickens and turkeys, adult fowls up to 6 pounds. Box of 12 for 40c; box of 50 for \$1.20.

Ask for free booklet on NEMA CAPSULES for poultry, dogs, hogs, etc.

For Pan-A-Min Worm Powder, see page 45, Hess & Clark Preparations.

For Lee's Gizzard Capsules, see page 45.



Dr. Hess & Clark's Poultry and Stock Preparations

We find this the best all-around line to tie to, and buy it in carload lots direct from the factory at Ashland, Ohio.



Dr. Hess Poultry Pan-A-Min (formerly called Pan-A-Cea).

3 lb. package.....	\$ 0.65, postpaid
7 lb. package.....	1.25, postpaid
15 lb. package.....	2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum	12.00, prepaid

Dr. Hess Hog Special. Widely used and universally liked.

15 lb. package.....	\$ 2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum	12.00, prepaid

Dr. Hess Improved Stock Tonic. An excellent tonic for all stock, especially recommended for milk cows.

5 lb. package.....	\$ 0.85, postpaid
15 lb. package.....	2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum	12.00, prepaid

Dr. Hess Instant Louse Killer

1 lb. package.....	\$ 0.30, postpaid
2 1/2 lb. package.....	.60, postpaid

Dr. Hess Poultry Ver-Mi-Trol (formerly called Worm Powder). When mixed with the feed will control worms in poultry.

4 lb. package.....	\$ 1.50, postpaid
10 lb. package.....	3.25, postpaid
25 lb. package.....	7.50, postpaid

Dr. Hess Dip and Disinfectant. Forms a milky white solution when mixed with water. Rated equal to any and better than most.

12 oz. bottle.....	\$ 0.50, postpaid
Quart cans.....	.75, postpaid
Half gallon cans.....	1.25, postpaid
Gallon cans.....	2.25, postpaid
5 gallon cans.....	8.75, prepaid
30 gallon barrels.....	39.00, prepaid
50 gallon barrels.....	59.00, prepaid

A disinfecting white paint in powder form. Can be sprayed on like whitewash, or applied with brush. We have a special bucket pump for spraying Carbola or whitewash, No. 327 Brass Bucket Spray Pump, \$3.25 postpaid.

5 lb. pkg. (makes 5 gallons) 75¢; postpaid 90¢; 10 lb. pkg. \$1.25; postpaid \$1.45.

Carbola Pratts,

POULTRY PREPARATIONS

These Prices Are Postpaid

Pratt's Poultry Regulator. 26 oz. pkg. 30¢; 4 lb. pkg. 60¢; 12 lb. pkg. \$1.75; 25 lb. bag \$3.00; 100 lb. bag \$10.50.

Pratt's Powdered Lice Killer. 1 lb. pkg. 30¢; 2 1/2 lb. pkg. 60¢.

Pratt's Poultry Worm Powder. 2 lb. pkg. 60¢; 4 lb. pkg. \$1.20; 12 lb. bag \$2.20; 25 lb. bag \$3.85.

Pratt's R-P Powder (formerly called Roup Powder). Three sizes, 30¢, 60¢ and \$1.20.

Pratt's R-P Tablets (formerly called Roup Tablets). Three sizes, 30¢, 60¢ and \$1.20.

Pratt's Chick Tablets (formerly called Chick Diarrhoea Tablets). 30¢ and 60¢.

Pratt's Dip and Disinfectant. Quart cans 45¢; quart cans 70¢; half gallon cans \$1.20; gallon cans \$2.15.

Pratt's Sore Head & Chicken Pox Preparation. Two sizes, 35¢ and 70¢.

Pratt's Special Compound (for diarrhoea). Two sizes, 30¢ and 60¢.

Pratt's Condition Tablets. 30¢ and 60¢.

Pratt's Sealy Leg Ointment. 35¢ and 70¢.



Dr. Hess Fly Chaser. We have sold many kinds, but like this one the best.

Half gallon cans.....	\$ 1.00, postpaid
Gallon cans.....	1.75, postpaid
5 gallon cans.....	7.25, prepaid

Dr. Hess Poultry Tablets (formerly called Roup Tablets).

Medium size package.....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

Dr. Hess Chick Tablets (formerly called Diarrhoea Tablets).

Medium size package.....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

Dr. Hess Antiseptic Powder (formerly called Healing Powder).

4 oz. package.....	\$ 0.25, postpaid
10 oz. package.....	.50, postpaid

LEE'S POULTRY PREPARATIONS

These Prices Are Postpaid

Lee's Germozone. 4 oz. bottle 40¢; 12 oz. bottle 75¢; 32 oz. bottle \$1.50; half gallon bottle \$2.50; gallon bottle \$4.50.

Lee's Gizzard Capsules. Adult size. 50 caps. \$1.00; 100 caps. \$1.75; 250 caps. \$4.00; 500 caps. \$7.00; 1,000 caps. \$12.00.

Lee's Gizzard Capsules. Chick size. 50 caps. 50¢; 100 caps. 90¢; 250 caps. \$2.00; 500 caps. \$3.50; 1,000 caps. \$6.00.

Lee's Flin-Koff Emulsion. 12 oz. bottle \$1.00; 32 oz. bottle \$2.00; half gallon bottle \$3.50; gallon bottle \$6.50.

Lee's Dosing Syringes. Each 25¢.

Lee's Vapo-Spray. 32 oz. can 75¢; gallon can \$1.25; 5 gallon can \$2.00; 5 gallon can \$8.75.

Lee's Liquid Lice Killer. Quart can 60¢; half gallon can 90¢; gallon can \$1.50.

Lee's Louse Powder. 1 lb. can 25¢; 2 1/2 lb. can 50¢.

Lee's Egg Maker. 2 lb. carton 40¢; 5 lb. carton 90¢; 12 lb. pail \$2.00; 25 lb. pail \$3.75.

CONKEY'S POULTRY PREPARATIONS

These Prices Are Postpaid



Conkey's Old Reliable Powder (formerly Roup Powder). 30c, 60c, \$1.20.

Conkey's Old Reliable Pills (formerly Roup Pills). 30c, 60c, \$1.20.

Conkey's Diatex (formerly White Diarrhoea Remedy). 30c, 60c.

Conkey's Sore Head Remedy. 35c.

Conkey's Canker & Bronchitis. 60c and \$1.55.

Conkey's Limberneck Remedy. 65c.

Conkey's Poultry Laxative. 35c.
Conkey's Poultry Worm Remedy. 35c.
Conkey's Scaly Leg Remedy. 30c.
Conkey's Lice Powder. 5 oz. size 25c; 15 oz. 45c; 48 oz. 90c; 25 lb. pail \$5.75.
Conkey's Mite Liquid. 2 quarts 90c; 1 gallon \$1.50.
Conkey's Head Lice Ointment. 1 oz. 15c; 2½ oz. 30c.
Conkey's Poultry Tonic. 3½ lb. pkg. 60c; 7 lb. pkg. \$1.20.
Conkey's Nox-I-Cide. 2 quarts \$1.50; gallon \$2.25.
Conkey's Y-O. 1 lb. pkg. 65c; 2 lb. pkg. \$1.15; 5 lb. pkg. \$2.25; 25 lb. drum \$9.00; 50 lb. drum \$16.00; 100 lb. drum \$27.50.

Burrell-Dugger Poultry Preparations

These Prices Are Postpaid

Don-Sung Tablets and Powder.

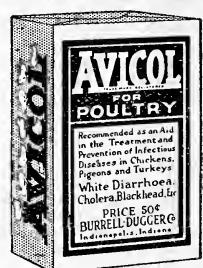
We have never found anything better to start pullets or moulting hens laying. It frequently happens that pullets will delay starting to lay, seeming to require some stimulant or tonic to get them started. The same condition prevails with moulting hens. Never let your flock hang back too long. This condition always comes just at the period of high egg prices and it is truly provoking to have a flock that you know should be producing, yet see them loaf along, consuming feed but not producing. Fifteen days' Don-Sung treatment will start a flood of eggs. Try it.



Burrell-Dugger's Don-Sung Tablets. Box of 45 tablets (treatment for 15 hens) 50c; Box of 135 tablets (treatment for 45 hens) \$1.00; large box \$5.00. For large flocks we recommend Don-Sung in powdered form. Put up in following sizes: 3 lb. pkg. \$5.00; 10 lb. pail \$10.00; 25 lb. pail \$20.00. Use the \$20.00 size for flock of 1,000. The cost will be 2c per bird and should return 10 times that much in eggs.

Burrell-Dugger's Roup-Over. The best treatment we have found for roup, colds, canker, etc. Liquid. 50c, \$1.00 and \$8.00.

Burrell-Dugger's Avicol. Tablets used in treatment of White Diarrhoea in chicks and Black Head in turkeys. 50c, \$1.00 and \$5.00.



RABBIT SUPPLIES AND REMEDIES



Feed Dish—Drinking Dish

Pottery Feed Dishes with flange tops. Pint size 15c each; doz. for \$1.75; quart size 18c each; doz. for \$2.00.

Pottery Drinking Dishes. Round bottom, will not tip over or split with frost. Pint size 12c each; doz. for \$1.40; quart size 15c each; doz. for \$1.75; half gallon size 18c each; doz. for \$2.00. Not prepaid.

Barnes Rabbit Remedies. We find these wonderfully satisfactory to breeders.

Barnes Anti-Diarrhoea. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Snuffle. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Slobber. Small size 50c; large size \$1.00, postpaid.

Breeding Cards. 20c doz.; 100 for \$1.00, postpaid.

Rabbit Disease Books. Each 25c, postpaid.

Rabbit Ear Markers. Complete outfit. \$1.00, postpaid.

Feed Racks. Hold hay and ground feed. 90c each, postpaid.

Salt-Sulphur Spools. 5c each; 12 for 55c; postpaid 65c; 100 for \$4.00; postpaid for \$4.25; case of 250 for \$7.00; postpaid \$7.50.

Americo Rabbit Feed. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 80c; 50 lbs. \$1.45; 100 lbs. \$2.75, not postpaid.

Pedigree Blanks. Book of 100 for \$1.00; 25 for 35c; 1 doz. for 20c, postpaid.

PIGEON SUPPLIES

Americo Pigeon Feed. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 90c; 50 lbs. \$1.60; 100 lbs. \$3.00, not postpaid. **Pigeon Grit.** 12 lbs. 25c; 30 lbs. 50c; 100 lbs. \$1.35, not postpaid.

Grit and Shell Box. 2 compartments. 45c each, postpaid.

Moe's Pigeon Feeder No. 105. 3-quart capacity. \$1.00 each, postpaid.

Moe's Pigeon Feeder No. 106. 6-quart capacity. \$1.80 each, postpaid.

Pigeon Nests. Galvanized steel. 15c each; 1 doz. for \$1.50, postpaid.

Leg Bands. Aluminum, numbered. 20c doz.; 100 for \$1.20, postpaid.

Pigeon Peas. 5 to 25 lbs., 8c lb.; 50 lbs. \$3.25; 100 lbs. \$5.75.

Pigeon Health Grit. 5 lbs. 25c; 12 lbs. 50c; 28 lbs. \$1.00; 100 lbs. \$2.25, not postpaid.

MISCELLANEOUS REQUISITES

TRAP NEST FRONTS

The Drew front. 45c each; by mail 55c.

EGG TESTERS

Fit any lamp. 25c each, postpaid.

KILLING KNIVES

Pilling's "safe edge" or "angular." Either one, 50c each, postpaid.

INCUBATOR AND BROODER SUPPLIES

Burners. Sun Hinge Burners. No. 1, 35c each; No. 2, 40c each; No. 3, 65c each, postpaid.

Lamp Bowls. Galvanized. No. 101, quart capacity, 6 $\frac{1}{4}$ inches diameter, 2 $\frac{1}{2}$ inches high; takes No. 2 burner and chimney. 65c each, postpaid. No. 102, 2 quart cap., 8 in. diameter, 2 $\frac{3}{4}$ in. high, takes No. 3 burner and chimney. 80c each, postpaid.

Lamp Wicks—

	White Cotton
No. 208, $\frac{5}{8}$ inches wide.....	3 for 5c; 15c doz.
No. 209, $\frac{7}{8}$ inches wide.....	2 for 5c; 25c doz.
No. 210, 1 $\frac{1}{2}$ inches wide.....	5c each; 40c doz.
Postpaid.	

	Red Felt
	2 for 5c; 25c doz.
	5c each; 45c doz.
	5c each; 55c doz.

DUSTING POWDERS

PAR-I-NOX LICE POWDER. This is probably the quickest acting lice powder obtainable. 1 $\frac{1}{2}$ lb. can 50c; 3 lb. can 75c, postpaid.

SODIUM FLUORIDE. Dusting powder for poultry. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 65c; 5 lbs. \$1.50; 10 lbs. \$2.75. Cannot be mailed.

DISINFECTANT AND SPRAY MATERIAL

CREOSOTE. A coal-tar disinfecting paint or spray. Quart 35c; half gallon 55c; 1 gallon 75c, not postpaid.

TAROLECTANT. A creosote base disinfectant and spray. 1 gallon can \$1.50; 5 gallon can \$6.25, not prepaid.

Warning!

During the past year INFECTIOUS BRONCHITIS in poultry seriously crippled many of our best poultry farms, and actually put some out of the business entirely. Such conditions are best met through means taken to prevent disease in the flock, for it is still literally true that "an ounce of prevention is worth a pound of cure."

The outstanding treatment for diseases of the intestinal tract in poultry is the use of - - -

IODOPHENЕ

What IODOPHENЕ is and what it will do is fully covered in a ten-page booklet that is yours free for the asking. This booklet contains information that every poultryman should know and we suggest that you ask for your copy NOW.

There are two IODOPHENЕ preparations, IODOPHENЕ No. 21, for infections of the intestinal and respiratory tracts and health and toning properties, and IODOPHENЕ No. 7-A, for treatment of worms and other parasitic infections. We firmly believe that the use of IODOPHENЕ, according to the instructions on each bottle and more fully explained in the booklet mentioned above, will save the day for every poultryman who will use it.

PRICES

IODOPHENЕ

No. 21

2 oz. bottle.....	\$ 1.00
4 oz. bottle.....	2.00
8 oz. bottle.....	3.75
16 oz. bottle.....	5.00
1 gal. bottle.....	20.00



POSTPAID

IODOPHENЕ

No. 7-A

1 oz. bottle.....	\$ 1.50
2 oz. bottle.....	3.00
4 oz. bottle.....	5.50
8 oz. bottle.....	10.00
16 oz. bottle.....	18.00

NOTE—A 2 oz. bottle of IODOPHENЕ No. 21 is treatment for 25 adult birds for 30 days. The cost should be returned fourfold in increased egg production without taking into consideration the fact that the flock will be practically immune from disease.

FOODS

for

Dogs, Cats, Foxes, Mink, etc.

WRITE FOR
SPECIAL KENNEL
PRICES



A few short years ago feeding our pets was a major problem that continuously confronted the household. Table scraps were not satisfactory, or were lacking when most needed. Starchy foods did not agree with either dogs or cats. Fried meats made our pets sick, pork did not agree with them, chicken bones killed many a valuable dog; gravy was too rich, they would not eat what we thought they ought to have. Too much milk caused worms, sweets upset their stomachs, greasy foods caused poor coats and made them throw up. In short, we got gray-headed trying to find the proper foods.

And now, what a change! Properly balanced foods are easily obtainable, inexpensive and satisfying. Our pets look better, feel better and live longer. If wormed regularly and properly housed, they are almost never sick.

When a new puppy comes into the home its food is not a pleasure—it is a pleasure. Use one of the canned puppy foods, mixed with puppy meal. Two or three times a week mix ground carrots with the above, and do not overfeed. Growing and matured dogs love these canned meat foods and thrive on them.

A good rule to follow in feeding growing dogs is one ounce each day for each pound of dog's weight; for matured dogs, half this amount. We recommend one of the canned meat foods mixed with an equal amount of puppy meal or kibbled (broken) biscuit. Feed puppies at least four times a day, and matured dogs twice. The morning meal should be light and the evening meal substantial. Never give more than a puppy or grown dog will clean up at a feeding. Young puppies are more inclined to overeat than grown dogs.

Caution. Do not let canned meat foods freeze, and always remove contents of can as soon as opened, place in glass or china dish and keep in a cool place. Any of the canned foods will keep indefinitely unopened, but should not be exposed to extremes of temperature.

We list what we consider the best of the various kinds. If you prefer some other brand, write us. We wish to always have just what you want.

These Prices Do Not Include Postage

AUSTIN'S DOG FOODS

Austin's is an old and well-known biscuit, ranking with the best. Sold in bulk only.

	Dog Biscuit	Puppy Biscuit
1 lb.....	\$ 0.15	25 lbs..... \$ 3.00
5 lbs.....	.70	50 lbs..... 5.75
7½ lbs.....	1.00	100 lbs..... 11.00
10 lbs.....	1.25	
		1 lb..... \$ 0.15
		25 lbs..... \$ 3.15
		50 lbs..... 5.90
		100 lbs..... 11.50

BENNETT'S BONE SHAPED BISCUITS

Cartons Only - - - Never Sold in Bulk

Bennett's Maltoid Milk Bone is probably the finest biscuit ever offered. It is made particularly for shy feeders and notional appetites.

Bennett's Dog Biscuit, small carton, about 12 ozs..... \$0.20 **Each** **Doz**
Bennett's Dog Biscuit, large carton, about 31 ozs..... .45 4.75
Bennett's Puppy Biscuit, small carton, about 10 ozs..... .20 2.20
Bennett's Puppy Biscuit, large carton, about 28 ozs..... .45 4.75
Bennett's Junior Biscuit, large carton, about 22 ozs..... .40 4.25
BONE MEAL. Edible, mixed with rations to build bone and frame in growing dogs. 5 lbs. 35c; 10 lbs. 60c; 25 lbs. 90c; 50 lbs. \$1.75; 100 lbs. \$3.25.

BRAN. Used by kennels in making supplementary feeds. Prices subject to market changes. 5 lbs. 20c; 10 lbs. 30c; 25 lbs. 60c; 50 lbs. \$1.00; 100 lbs. \$1.75.

CALO DOG FOOD. In 1 lb. cans, ready cooked. Per can 17c; 3 cans for 50c; 12 for \$1.60; case of 48 for \$6.00.

CALO PUPPY FOOD. Prices same as Calo Dog Food.





"OUR BUSINESS IS GOING
TO THE DOGS"

CHAMPION FOODS

The Champion line is the result of constant, intelligent and extensive kennel tests. An up-to-date laboratory is maintained and every product is carefully tested to prove its value as a balanced ration.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Champion Dog and Fox Biscuit.....	\$0.15	\$0.70	\$1.25	\$3.00	\$5.50	\$11.00
Champion Puppy Biscuit.....	.15	.75	1.25	3.00	5.75	11.50
Champion Kibbled Biscuit.....	.15	.75	1.25	3.00	5.75	11.50
Champion Puppy Meal.....	.15	.75	1.25	3.00	5.75	11.50
Champion Mink Food.....	.25	1.00	1.75	4.10	7.70	13.40

CHAPPEL BROTHERS FOODS

There are on the market today some 43 different brands of canned foods for dogs, cats and foxes. The oldest and largest manufacturer is Chappel Bros., of Rockford, Ill. Their product is, we believe, the best of the lot, and while we sell many brands, we believe that a continued trial will convince any user that this is the one to feed. **Descriptive Folder Free on Request.**

CHAPPEL BROS. CANNED FOODS

Ken-L-Ration. A complete, balanced food, requiring no preparation. Rich in meat, cereal, ground bone and cod liver oil.

	Each	3 Cans	6 Cans	Doz.	Case	3 Cases
6 oz. cans, 48 to case.....	\$0.10	\$0.25	\$0.50	\$1.00	\$3.90	\$3.48 each
1 lb. cans, 48 to case.....	.17	.50	1.00	1.80	6.50	5.52 each
7 lb. cans, 6 to case.....	1.00	....	5.50	....	5.50	4.80 each

Hemo-Ration. A blood-making food recommended for breeding animals, anemic and convalescent animals; a wonder-food in cases of rickets and chorea.

	Each	3 Cans	6 Cans	Doz.	Case	3 Cases
1 lb. cans, 48 to case.....	\$0.17	\$0.50	\$1.00	\$1.86	\$6.65	\$5.64 each

Pup-E-Ration. Contains red meat, organic iron, calcium phosphate, Norwegian cod liver oil and marrow-fat, all elements necessary for building body, bone and coat.

	Each	3 Cans	6 Cans	Doz.	Case	3 Cases
1 lb. cans, 48 to case.....	\$0.18	\$0.50	\$1.00	\$1.92	\$7.00	\$6.12 each

Kit-E-Ration. A ration of well nigh perfect balance, containing fresh liver, meat, cereals, cod liver oil and other essential elements. Promotes health, growth and glossy coat.

6 oz. cans, 48 to case, and 1 lb. cans, 48 to case, prices the same as Ken-L-Ration above.
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Maro-Meat. A clear, lean meat and marrow product to be fed with other material. We recommend boiled rice, rolled oats or cooked vegetables, or any of the bulk dog biscuits listed herein. A 2 1/2 lb. can of Maro-Meat supplemented with water and roughage as indicated above will make 8 to 12 pounds of nourishing food. This item should not be overlooked by kennel owners.

	Each	Doz.	Case	3 Cases
2 1/2 lb. cans, 18 to case.....	\$0.45	\$4.20	\$6.25	\$5.29 each

CHAPPEL BROS. BULK FOODS, SOAPS, ETC.

1 lb. 5 lbs. 10 lbs. 25 lbs. 50 lbs. 100 lbs.

Kib-L-Biscuit (broken biscuit) \$0.15 \$0.70 \$1.30 \$2.75 \$5.25 \$10.00

Ken-L-Biscuit (whole biscuit) .15 .70 1.30 2.75 5.25 10.00

Pup-E-Crumbles (granulated) .20 .85 1.50 3.25 6.25 12.00

Ken-L-Sope, cakes 25¢ each; 8 oz. bottles 50¢ each; quart cans \$1.25

CHAPPEL BROS. PACKAGE FOODS

These are put up in attractive, handy sized cartons.

	Each	6 Pkgs.
Kib-L-Biscuit , 30 oz. pkg.....	\$0.35	\$2.00
Ken-L-Biscuit , 30 oz. pkg.....	.35	2.00
Pup-E-Crumbles , 30 oz. pkg.....	.35	2.00



COD LIVER OIL - - "NOPCO" BRAND

This is the best grade of cod liver oil, fortified in vitamin potency. Use just one-half as much as you would of other oils. We recommend one-half of one per cent.

Nopco Fortified Cod Liver Oil, quart cans..... \$ 0.75; Postpaid \$ 0.85
Nopco Fortified Cod Liver Oil, half gallon cans... 1.40; Postpaid 1.55
Nopco Fortified Cod Liver Oil, gallon cans..... 2.60; Postpaid 2.80
Nopco Fortified Cod Liver Oil, 5 gallon cans..... 12.30; Postpaid 12.80



KIPPY DOG AND CAT FOODS (IN CANS)

"Kippy" Foods are made in Denver from pure, inspected meats, cereals, etc. No by-products are used in their manufacture. We are advised that "Kippy" Foods are being used for very valuable dogs at the Fitzsimons General Hospital (government institution), and at the Colorado General Hospital (state institution).

	Each	3 Cans	Doz.	Case
Kippy Dog Food , 10 oz. cans, 48 to case.....	\$0.10	\$0.25	\$1.00	\$3.50
Kippy Dog Food , 1 lb. cans, 24 to case.....	.15	.45	1.50	2.75
Kippy Pup Chuck , 10 oz. cans, 48 to case.....	.10	.25	1.00	3.75
Kippy Cat Food , 5 oz. cans, 48 to case.....	.10	.30	1.10	4.00

GOLDEN DOG FOOD (IN CANS)

A Denver made product. Dogs, cats and foxes take to it readily and thrive on it. We recommend it highly.

	Each	2 Cans	3 Cans	Doz.	Case
10 oz. cans, 48 to case.....	\$0.10	....	\$0.25	\$1.00	\$3.75
1 lb. cans, 36 to case.....	.15	\$0.25	....	1.50	4.00

PERFECTION DOG AND FOX FOOD

"Perfection" Dog and Fox Food is sold in bulk only. It is a cereal and meat food, clean, nourishing and appetizing. It is used extensively by large kennels and fox farms, and is the best low-priced food we know of.

Perfection Dog and Fox Food

1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
\$0.15	\$0.60	\$1.00	\$2.25	\$3.50	\$6.80

Also sold in 500 lb. lots at \$6.50 cwt.



PURINA DOG CHOW AND FOX CHOW

One of the famous "Purina" foods. Comes in approximately one inch cubes.

Purina Dog Chow and Fox Chow

1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
\$0.15	\$0.55	\$1.00	\$2.00	\$4.00	\$7.30

SPRATT'S FOODS

Spratt is probably the oldest and best known manufacturer of foods for dogs, cats and foxes. The whole line is dependable and complete. If we do not list items that you use, write us for particulars. We recommend this line to your consideration.

SPRATT'S PACKAGE FOODS

	Each	6 Pkgs.	12 Pkgs.
Fibo, medium cartons.....	\$0.45	\$2.40	\$4.50
Ovals, medium cartons.....	.40	2.20	4.20
Dog Cakes, medium cartons.....	.40	2.20	4.20
Puppy Cakes, medium cartons.....	.45	2.20	4.20
Puppy Meal, medium cartons.....	.40	2.20	4.20

SPRATT'S BULK FOODS

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Fibo (granulated)	\$0.20	\$0.85	\$1.60	\$3.75	\$7.00	\$13.25
Ovals (small, round).....	.20	.75	1.50	3.50	6.40	12.40
Rodinim (for hunters, etc.)	.20	.85	1.60	3.75	7.25	14.00
Dog Cakes .....	.20	.75	1.50	3.50	6.50	12.40
Puppy Cakes .....	.20	.75	1.60	3.75	6.75	13.00
Cod Liver Oil Cakes, ovals	.20	.85	1.60	3.75	7.00	13.25
Charcoal Cakes, ovals.....	.20	.85	1.60	3.75	7.00	12.25
Kibbled Biscuit .....	.20	.75	1.50	3.25	6.00	11.50
Challenge Terrier Meal.....	.15	.70	1.25	3.00	5.75	10.80



VITAL FOOD

A new, balanced ration, in cartons and bags. Dogs eat it greedily, and many veterinarians recommend it because of its undoubted food value. Give it a trial, you will like it. 2 lb. cartons, each 25¢; 6 for \$1.30; 10 lb. bags, each \$1.00; 6 for \$5.40; 25 lb. bags, each \$2.25; 50 lb. bags, each \$3.75; 100 lb. bags, each \$7.00; 500 lb. lots, \$6.75 cwt.

VITAMONT DOG AND FOX FOOD (In Cans)

A meat, vegetable and cod liver oil food that is pleasing dog and fox owners immensely.

	Each	Doz.	24 Cans	Case
Vitamont, 1 lb. cans, 48 to case.....	\$0.15	\$1.75	\$3.25	\$6.00

YEAST

Animal Yeast is now recognized as one of the necessities. Its action is so directly beneficial that breeders find it thoroughly practical to include some yeast in the daily ration. We can supply free booklets that fully describe its use and benefits.

Animal Yeast, 4 lb. boxes, postpaid, for.....	\$1.00
Animal Yeast, 25 lb. boxes, postpaid, for.....	6.00



SIMPSON'S DOGGIE DINNER AND PUPPY DINNER (Canned)

	Each	7 Cans	Doz.	Case
Simpson's Doggie Dinner, 1 lb. cans, 36 to case....	\$0.15	\$1.00	\$1.70	\$4.50
Simpson's Puppy Dinner, 1 lb. cans, 36 to case....	.15	1.00	1.70	4.50
Simpson's Doggie Soap, 8 oz. bottles.....	.50	....	....	....

VERMICIDE WORM CAPSULES

(ffrench's)—Postpaid.

This product of The ffrench Remedy Co. is the outstanding WORM remedy for dogs and foxes. It is exclusively used by the largest fox farm in the world. Gets all worms, roundworms, tapeworms and hook-worms, and is absolutely harmless.

Vermicide Capsules, No. 1. Full strength, for old dogs. Box of 20, \$1.00.

Vermicide Capsules, No. 2. Half strength, for puppies. Box of 20, \$1.00.

Vermicide Capsules. Either strength, in boxes of 500. \$20.00.

ffrench's Flea and Lice Powder. \$1.00.

ffrench's Cedar Dog Soap. 50c.

NEMA WORM CAPSULES

(Chemically Tested Tetrachlorethylene)

POSTPAID

Nema Worm Capsules are made by Parke, Davis & Co. They are carefully graded as to dosage and complete instructions are on each package.

	Box of 12	Box of 50
No. 188, toy dogs, fox cubs, puppies and cats.....	\$0.25	\$0.60
No. 187, small adult dogs....	.35	1.00
No. 189, medium sized adult dogs.....	.60	2.00
No. 190, adult dogs, 30 to 50 lbs.....	.75	2.50
No. 191, small puppies, half-grown foxes.....	.30	.75

Q-W REMEDIES

Post-
paid

The whole Q-W line will be found satisfactory in every way. The life of your pets may depend on having the proper remedy on hand. Q-W Hand Book, describes all remedies, FREE.

Q-W Verminol. Disinfectant and vermin killer. Pint \$1.25; quart \$2.00.

Q-W Dog Soap. Cake form. Per cake 35c; 3 for \$1.00.

Q-W Flea Powder. Per box \$1.00.

Q-W Flea Oil and Coat Grower. Pint \$1.00; quart \$1.75.

Q-W Condition Powder. Conditioner, regulator, aids digestion, mange, eczema, etc. Regular size \$1.00; kennel size \$3.00.

Q-W Constipation Pills. Per bottle \$1.00.

Q-W Phosphated Cod Liver Oil Compound with Lime. Pint \$1.25; quart \$2.00.

Q-W Tonic and Red Blood Builder. Per bottle \$1.00.

Q-W Distemperol. 6 oz. bottle \$2.00; 12 oz. bottle \$3.50.

Q-W Book. All about dogs. Each \$1.00.

Q-W Mange Lotion. 8 oz. bottle \$1.00; quart \$3.25; gallon \$12.00.

Q-W Mange and Flea Soap. Regular size \$1.00; kennel size \$3.00.

Q-W Sulphur Compound Solution. Regular size \$1.00; large size \$1.75.

Q-W Healing Salve. Regular size \$1.00; kennel size \$3.00.

Q-W Worm Mixtire. 4 oz. bottle \$1.00; 16 oz. bottle \$2.50.

Q-W Worm Capsules. Per box 65c.

Q-W Tape Worm Mixture. 2 oz. bottle \$1.00; 6 oz. bottle \$2.50.

Q-W Fit and Sedative Tablets. Per bottle \$1.25.

Q-W Rheumatism Tablets. Per bottle \$1.00.

Q-W Liniment. Per bottle \$1.25.

Q-W Diarrhoea and Dysentery Tablets. Per bottle \$1.25.

Q-W Ear Canker Lotion. Per bottle \$1.25.

Q-W Breeding Tablets. Regular size \$2.00; kennel size \$6.00.

Q-W Eye Salve. Per jar \$1.00.

PULVEX FLEA POWDER

This remedy is by far the best we have ever found. You can count on one application stopping scratching RIGHT NOW. It is harmless and effective. 2 oz. sifter top can 50c; 12 oz. pkg. \$1.25; 5 lb. pkg. \$6.00; 15 lb. pkg. \$15.00. All postpaid.



DR. CLAYTON'S

DOG MEDICINES—All Postpaid

All the Large Users of Dog Remedies Are Using Clayton's Remedies. Why? Ask Them.

Sarcoptic Mange Medicine. Oily dark. 60c.

Skin Lotion. Colorless. 60c.

Ketraline. Liquid and tablets. 60c.

Condition Pills with Pepsin. A tonic. 60c.

Alterative Pills. Blood red. 60c.

Carmirative Tablets. An anti-acid. 60c.

Laxative Tablets. 60c. Worm Pills. For expulsion of worms. 60c.

Tape Worm Expeller. 60c.

Vermifuge. Liquid and soft capsules. 60c.

Little Red Worm Bullets. 60c.

Canker Lotion. Liquid and tablets. 60c.

Eye Lotion. Liquid and tablets. 60c.

Sedative Medicine. Liquid and tablets. 60c.

Cough Syrup. For coughs and colds. 60c.

Puppy Tonic. To strengthen weak puppies. 60c.

Diuretic Tablets. For aches, pains, etc. 60c.

Bowel Constringent. Liquid and tablets. 60c.

Arsenic-Iron and Sulphur Compound. Helpful in the treatment of chorea. 60c.

Goiitre Medicine. To relieve goitre. \$1.00.

Cod Liver Oil Emulsion. \$1.00.

Ceoline Dog Wash and Disinfectant. 35c.

Shampoo. For washing dogs, non-poisonous. 25c.

Killflea Soap. For fleas. 25c.

Killflea Powder. For dogs and cats. 35c.

Cream Soap. Can be used continually. 25c.

Ceoline Soap. 25c.

CAT MEDICINES—All Postpaid

These Remedies Are Being Used by the Leading Cat Fanciers Everywhere

Cat Sarcoptic Mange Medicine. 60c.

Cat Ketaline Liquid. 60c.

Cat Ketaline Tablets. 60c.

Cat Tonic Catnip Condition Tablets. 60c.

Cat Alterative Tablets. 60c.

Cat Carminative Tablets. 60c.

Cat Laxative Tablets. 60c.

Cat Worm Tablets. 60c.

Cat Tape Worm Expeller Tablets. 60c.

Cat Vermifuge Liquid. 60c.

Cat Canker Lotion Tablets. 60c.

Cat Eye Lotion Tablets. 60c.

Cat Sedative Tablets. 60c.

Cat Cough Syrup. 60c.

Cat Bowel Constringent Tablets. 60c.

Cat Mouth Wash. 60c.

Cat Wash and Disinfectant. 25c.

Cat Killflea Powder. 35c.

Cat Cod Liver Oil Emulsion. \$1.00.

Cat Soap. 25c.

SERGENT'S REMEDIES

Sargent's "Sure-Shot" Worm Capsules for Dogs, 60c pkg.

Sargent's "Sure-Shot" Worm Capsules for Pups, 60c pkg.

Other Sergeant remedies will be offered as demand arises.

CATNIP AND CATNIP MICE

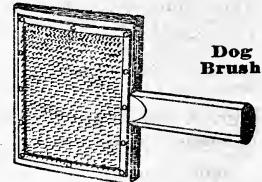
Catnip, Summit Brand, loose, large box.....	\$0.15; postpaid	\$0.20
Catnip Balls, toy for cats.....	.20; postpaid	.25
Catnip Mice, give your cat a treat.....	.10; postpaid	.15

RUBBER TOYS FOR DOGS AND CATS

Rubber Dog Bones, pure, live rubber.....	Postpaid	\$0.25
Katnips, squealing toys for dogs, small size.....	Postpaid	.60
Katnips, squealing toys for dogs, large size.....	Postpaid	1.00
Rubber Weiners (hot dogs), very realistic.....	Postpaid	.10
Rubber Doughnuts, very realistic.....	Postpaid	.10
Rubber Mice, fools the cat every time.....	Postpaid	.15
Rubber Rats, squealing	Postpaid	.25

BRUSHES AND COMBS

Watson's Wire Brushes, Boston Terriers.....	Postpaid	\$0.60
Watson's Wire Brushes, Chows	Postpaid	1.00
Watson's Wire Brushes, Pekinese	Postpaid	.75
Watson's Wire Brushes, short haired dogs.....	Postpaid	.60
Watson's Wire Brushes, long haired dogs.....	Postpaid	.90
Watson's Wire Brushes, 10 assorted brushes	Postpaid	7.00
Combs, coarse, 6 inches long.....	Postpaid	.50
Combs, half coarse, half fine, 7½ inches long.....	Postpaid	.90
Stripping Combs, cuts out matted hair.....	Postpaid	2.00



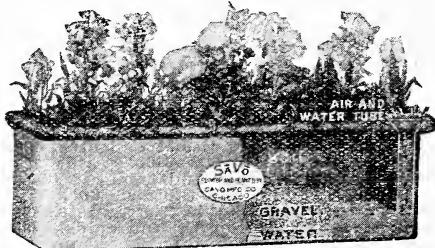
Dog
Brush

PEDIGREE BLANKS

12 blanks.....	Postpaid	\$0.15
25 blanks.....	Postpaid	.30
50 blanks.....	Postpaid	.50
100 blanks, bound in neat book form.....	Postpaid	1.00

SANI-BONES

Mineral treated polished bones for dogs to gnaw on and thus get elements required by the system. Bones are hard and will take many days to chew up. 65c each, postpaid.



"SĀVŌ"

Plant Boxes

Just the thing for window gardens and porch and pillar boxes. They are self-watering and sub-irrigating. Well made of galvanized steel with rounded corners and a full roll rim. Beautifully finished in dark green enamel both inside and out. Ask for descriptive folder.

STANDARD STOCK SIZES

Model A, 8 in. high, 9½ in. wide, 23 in. long.....	\$3.00; Postpaid	\$3.25
Model B, 8 in. high, 9½ in. wide, 29 in. long.....	4.00; Postpaid	4.35
Model C, 8 in. high, 9½ in. wide, 35 in. long.....	4.50; Postpaid	4.90
Model D, 8 in. high, 9½ in. wide, 41 in. long.....	5.00; Postpaid	5.40
Model E, 8 in. high, 12 in. wide, 12 in. long.....	3.00; Postpaid	3.25
Model F, 12 in. high, 12 in. wide, 12 in. long.....	3.50; Postpaid	3.75

How to Compute Parcel Post Postage

Many items in this catalog are quoted "Postage Prepaid," and when so priced, we pay postage. We have endeavored to mark every item either "Postage Prepaid" or "Postage, Express, or Freight Extra" so that there may be no doubt in your mind whether or not you should include postage.

When postage is extra it is best to include same in your remittance, as it costs you 12c plus a 5c return charge, to have parcel post matter sent C. O. D.

The following table offers a simple, convenient way to compute parcel post postage:

Local zone, Denver, 7c for first pound, 1c for each additional 2 pounds.

1st and 2nd zones (within 150 miles from Denver). Number of pounds plus 6 cents.

3rd zone (150-300 miles from Denver). 2 times number of pounds plus 6 cents.

4th zone (300-600 miles from Denver). 4 times number of pounds plus 4 cents.

5th zone (600-1,000 miles from Denver). 6 times number of pounds plus 3 cents.

6th zone (1,000-1,400 miles from Denver). 8 times number of pounds plus 2 cents.

7th zone (1,400-1,800 miles from Denver). 10 times number of pounds plus 2 cents.

8th zone (over 1,800 miles from Denver). 12 times number of pounds plus 1 cent.

EXAMPLE: You live 280 miles from Denver and are ordering merchandise weighing 12 pounds. You are in zone 3, and postage would be— $12 \times 2 = 24$ cents, plus 6 cents=30 cents.

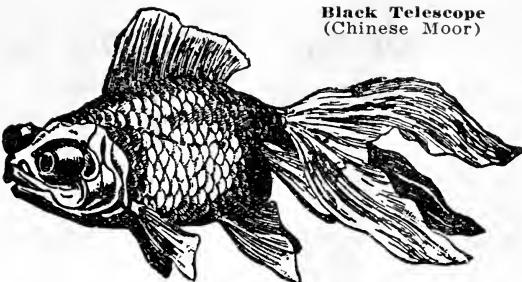
NOTE: Limit of weight for delivery within the first, second and third zones is 70 pounds; to all other zones the limit is 50 pounds. If weight exceeds these figures it is necessary to make two or more packages and figure postage on each package.

GUARANTEE: We offer only merchandise in which we have confidence, but cannot be responsible for the results, as there are too many circumstances over which we have no control, such as weather, insect pests, etc., etc.; therefore, we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

Simpson Seed and Floral Co.

GOLD FISH GLOBES and SUPPLIES

Black Telescope
(Chinese Moor)



GOLD FISH are shipped by express in tin pails—12 fish should travel safely in a 2-quart pail. When ordering for shipment by express include remittance as follows for cost of pails: **Quart 10c; 2 qt. 15c; gallon 25c; 2 gal. 40c; 3 gal. 60c.**

SHIPMENT BY EXPRESS

Small Fish, 1½ to 2 inches, 15c each; \$1.25 doz.

Medium size, 2 to 2½ inches, 20c each; \$1.80 doz.

Medium large, 3 inches, 25c each; \$2.40 doz.

Large, 4 inches, 35c each; \$3.00 doz.

Japanese Fantails, 2 to 4 inches, 35c to 75c each.

Red Telescopes, 2 to 3 inches, 60c to 75c each.

Black Telescopes (Chinese Moors), 2 to 3 inches, 75c to \$1.00 each.

Nymphs, body short and chunky, 2 to 3 inches, 25c to 50c each.

Pond Snails, 5c each; 50c doz.

Red Snails, large, 25c each.

Japanese Snails, very large, average one inch diameter, 25c each.

Ask us regarding complete aquarium outfitts, fish, ornaments and water plants per your selection. We can supply any tropical fish on order.

FISH FOODS. ALL POSTPAID.

Rice Wafer, large package, 10c.

Flakes, large package, 10c.

Natural, with ground shrimp, 10c.

Imported Pure Shrimp, pkg. 15c.

Tropical Fish Food, 15c.

Fungus Remedy, 25c.

Fish Tonic, 15c.

Turtle Food, 15c.

FISH GLOBES (Shipment by Express)

	Round Clear Glass	Squat Shape Clear	Squat Shape Green	Drum Shape Clear	Drum Shape Green
Quart size	\$0.25	\$0.25	....	\$0.25	....
Half gallon .....	.40	.40	....	.40	....
1 gallon .....	.80	.80	\$1.00	.80	\$1.00
2 gallon	1.50	1.50	1.75	1.50	1.75
3 gallon	2.00	2.00	....	2.00	....

AQUARIUMS

ALL GLASS. Imported.

¾ Gallon	\$2.00
2½ Gallon	4.50
3 Gallon	5.00
5 Gallon	5.50

SLATE BOTTOM.

Very heavily built.

3½ Gallon	\$ 9.50
6 Gallon	11.50
9 Gallon	13.50

ACE AQUARIUMS.

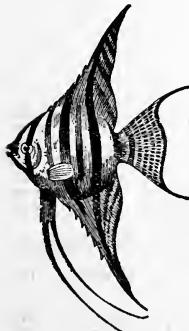
Heavy Galvanized Iron frame.	
1 Gallon, metal bottom	\$1.60
2 Gallon, metal bottom	2.25
3 Gallon, metal bottom	3.00
4 Gallon, glass bottom	4.60
5 Gallon, glass bottom	5.70

WINDOW AQUARIUM.

28" long, 8" wide, 11" deep.

No. b-2, 11 Gallon.....\$17.50

AQUARIUM ORNAMENTS, CASTLES AND SUPPLIES



CASTLES, fancy shapes and colors.

Average 2 inches high.....	\$0.15	Postpaid	\$0.20
2½ inches high.....	.25	Postpaid	.30
3 inches high.....	.30	Postpaid	.35
4 inches high.....	.35	Postpaid	.40
5 inches high.....	.40	Postpaid	.45
6 inches high.....	.50	Postpaid	.60

MERMAIDS, porcelain.....

CORALS, highly colored..... 30c to 50c; postpaid, 35c to 60c

WATER LILIES, Artificial..... .15 Postpaid .20

FISH MOSS, 20c per bunch, 2 for 35c; postpaid 25c bunch.

PORCELAIN FISH..... .15 Postpaid .20

NETS..... 20c to 25c; postpaid 25c to 30c

AQUARIUM CEMENT, package contains 4 oz. cement and 1 oz. mixing liquid, Each 35c, postpaid 40c.

AQUARIUM BOOKS. "The Modern Aquarium," Innes & Sons, \$1.00 postpaid.

COLORED SHELLS AND PEARL CHIPS

Assorted Sea Shells, small, highly colored..1 lb. pkg. 25c; postpaid, 30c

Polished White Sea Shells.....1 lb. pkg. 20c; postpaid, 25c

Pearl Chips, highly colored.....1 lb. pkg. 15c; postpaid, 20c

Polished White Pearl Chips.....1 lb. pkg. 10c; postpaid, 15c

Wonderful Singing Canaries

WHAT IS HOME WITHOUT A CANARY?

PRICES THE LOWEST SINCE 1914

Because of world-wide conditions IMPORTED GERMAN ROLLER and HARTZ MOUNTAIN CANARIES are priced lower than at any time since 1914. The quality is simply wonderful and every lover of good birds should take advantage of the situation to provide themselves with one or more of these ideal household pets.



Grade A-1 Imported St. Andreasberg or Seifert Rollers.....	\$7.50 each
Grade A-1 Imported Hartz Mountain Singers.....	6.50 each
Grade A-1 Roller females	\$2.50 to 3.50 each
Grade A-1 Hartz Mountain females.....	1.50 to 2.50 each

We carry a large stock and can supply any color desired.

NOTE—The best season for singers is from October to June. During the period of summer heat imported canaries are seldom to be had.

Domestic singers, from certified stock.....	\$4.50 to \$6.00 each
Domestic females	1.50 to 2.50 each

SPECIAL OFFER
GREEN SHELL PARAKEETS OR LOVE BIRDS
\$5.25 PER PAIR

All Birds Shipped by Express. We Guarantee Live Arrival.

BIRD SEED IN BULK

Too much cannot be said about the NECESSITY of feeding properly balanced, FRESH, SWEET bird seed. The average mixture offered, especially in stores other than bird stores, is far from what it should be. Wild Mustard is often used in place of imported sweet Rape, and heating, constipating millets in place of the proper kinds. We recommend a mixture of imported Sicily Canary, imported sweet Summer Rape, with a little German Millet, Turkish Poppy, and Lettuce Seed. This mixture is best for singers. For breeding stock, old birds, and birds that have not yet attained full growth, a little Hemp Seed may be added.

SIMPSON'S ROLLER BIRD SEED IN BULK

	Best for singers.	
1 lb.	\$0.20	Postpaid \$0.30
3 lbs.	.50	Postpaid .65
10 lbs.	1.50	Postpaid 1.70
25 lbs.	3.25	Postpaid 3.60

These postpaid prices figured for First and Second Zones only.

SIMPSON'S SUPERIOR MIXED BIRD SEED

For breeding stock and growing birds.

1 lb.	\$0.20	Postpaid \$0.30
3 lbs.	.50	Postpaid .65
10 lbs.	1.40	Postpaid 1.60
25 lbs.	3.00	Postpaid 3.35

Parcel Post Rates on page 52.

Canary Seed, Imported Sicily, priced same as ROLLER BIRD SEED.

RAPE SEED, Imported Sweet Summer, priced same as ROLLER BIRD SEED.

Hemp Seed, 1 lb. 10c; 5 lbs. 45c; 12 lbs. \$1.00; 25 lbs. \$2.00. Not postpaid.

Millet Seed, German, 1 lb. 10c; 3 lbs. 25c; 10 lbs. 55c; 25 lbs. \$1.15; 50 lbs. \$2.00. Not postpaid.

Flax Seed, 1 lb. 15c; 5 lbs. 55c; 10 lbs. \$1.00. Not postpaid.

Poppy Seed, Turkish Maw, 1 lb. 35c; 3 lbs. \$1.00; 10 lbs. \$2.50. Not postpaid.

Thistle Seed (Niger), imported, 6 oz. 25c; 1 lb. 50c; 3 lbs. \$1.25. Not postpaid.

Lettuce Seed, 1 lb. 25c. Not postpaid.

Parakeet, or Love Bird Seed, priced same as ROLLER BIRD SEED.

MISCELLANEOUS BIRD REQUISITES

BIRD SAND AND GRIT, in bulk.

Gray Sand, clean and screened	{ 10 lbs.....	\$0.30	Postpaid \$0.50
	25 lbs.....	.65	Postpaid 1.00
	50 lbs.....	1.20	Postpaid 1.80

White Bird Grit, contains prop-	{ 10 lbs.....	.40	Postpaid .60
er proportions of calcium car-	25 lbs.....	.90	Postpaid 1.25
bonate, magnesia, etc.	50 lbs.....	1.75	Postpaid 2.35

CUTTEBONE, bulk, 4 to 6 inch select pieces (average 50 to the pound), 10c each, 3 for 25c; 1/4 lb. 25c, postpaid 30c; 1/2 lb. 45c, postpaid 50c; 1 lb. 75c, postpaid 85c.

SUNFLOWER SEED, for parrots, recleaned. 1 lb. 15c, postpaid 25c; 5 lbs. 55c, postpaid 75c; 8 lbs. \$1.00, postpaid \$1.20.

CEDAR NUTS, for parrots, a welcome addition to their diet. 1 lb. 35c, postpaid 45c; 5 lbs. \$1.50, postpaid \$1.70.

Bird Lice?

We have recently found what we consider the answer to the age-old question—How can I get rid of bird lice? PULVEX FOR CANARIES will do the work. ¼ oz. pkg. for 25c, postpaid 30c. Directions for use on can.

SPECIAL NOTICE

In ordering any of the package feeds or supplies on these pages, where postpaid prices are not quoted, add for postage 10c if but one item is ordered, 5c for each item when 3 or more items are ordered, or 4c for each item when 6 to 10 items are ordered. In lots of 12 or more we will prepay postage.

SIMPSON'S PACKAGE SEEDS AND REMEDIES

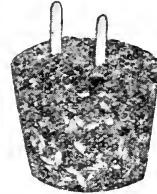
Simpson's Mixed Bird Seed, carton.....	\$0.20	Simpson's Mite Powder, carton.....	\$0.15
Simpson's Roller Bird Seed, carton.....	.20	Simpson's Mite Liquid, bottle.....	.25
Simpson's Song Restorer, carton.....	.25	Simpson's Bird Tonic, bottle.....	.25
Simpson's Nestling Food, carton.....	.15	Simpson's Bird Grit, carton.....	.10

THE "JUSTRITE" LINE of Foods and Supplies

We consider this one of the most complete and best supply lines.

Justrite Honey Roll, 15c, 2 for.....	\$0.25
Justrite Roi-Er-Ka-Nar-E Bird Seed.....	.25
Justrite Imported Bird Seed.....	.25
Justrite Mixed Bird Seed.....	.25
Justrite Love Bird Seed (Parrakeets).....	.25
Justrite Wild Grass Seed.....	.20
Justrite Parrot Food with Crackers.....	.40
Justrite Bird Gravel, brown.....	.15
Justrite Silver Bird Gravel.....	.15
Justrite Gravel Paper, 9" circles, 12 in envelope.....	.25
Justrite Gravel Paper, 10", 12 for.....	.25
Justrite Gravel Paper, 11", 12 for.....	.25
Justrite Gravel Paper, 12", 12 for.....	.25
Justrite Gravel Paper, 7"x9", 12 for.....	.25
Justrite Gravel Paper, 9"x11", 12 for.....	.25
Justrite Song Restorer.....	.25
Justrite Vitamin Health Food.....	.25
Justrite Moultting Food.....	.20
Justrite Color and Pepper Food.....	.25
Justrite Egg and Nesting Food.....	.20
Justrite Bird Tonic.....	.25
Justrite Bird Bitters.....	.25
Justrite Iron Tonic.....	.25
Justrite Parrot Tonic.....	.25
Justrite Lice Powder.....	.15
Justrite Bird Wash.....	.25
Justrite Cage Cleaner.....	.35
Justrite Lice Destroyer Kit.....	.65
Justrite Cuttlebone, large, with holder.....	.10
Justrite Cuttlebone, medium, with holder.....	.10
Justrite Cuttlebone, small, with holder.....	.05
Justrite Canary Food Packet.....	.75
Justrite Feather Pulling Remedy.....	.25
Justrite Balm for Baldness.....	.35
Justrite Bird Jelly.....	.25
Justrite Bird Salve.....	.15
Justrite Flake Bird Charcoal.....	.10
Justrite Crushed Oyster Shells.....	.10
Justrite Bird Nesting, brown.....	.10
Justrite Bird Nesting, white.....	.10

FREE Justrite Bird Book with every Justrite order.



KAEMPFER'S BIRD SUPPLIES

Kaempfer's Highballs, 15c, 2 for.....	\$0.25
Kaempfer's New Birdolene.....	.25
Kaempfer's Asthma Remedy.....	.25
Kaempfer's Foot Ointment.....	.25
Kaempfer's Bird Remedy, tonic.....	.25

HALLER'S BIRD SUPPLIES

Haller's Canary Bird Pie, 2 for 25c.....	\$0.15
Haller's Dutch Song Restorer, small size 15c; large size.....	.25

GEISLER'S BIRD FEEDS AND SUPPLIES

Geisler's Roller Bird Seed.....	\$0.30
Geisler's Tonic, A, song restorer.....	.25
Geisler's Tonic, B, for diarrhoea.....	.25
Geisler's Tonic, C, for colds.....	.25
Geisler's Tonic, D, general.....	.25
Geisler's Bird Biscuit.....	.15
Geisler's Medicated Biscuit.....	.25
Geisler's Song and Moultting Food.....	.20
Geisler's Parasite Cure.....	.25
Geisler's Health Food.....	.20
Geisler's Vegetable Extract.....	.25
Geisler's Parrot Tonic.....	.25



PHILADELPHIA BIRD FOOD CO.'S SUPPLIES

Bird Manna, 15c; 2 for 25c; 6 for.....	\$0.70
Bird Pitters.....	.25
Bird Seed.....	.25

Geisler's
Products
Are
Good

FRENCH'S BIRD SUPPLIES

French's Bird Seed with Biscuit.....	\$0.15
French's Bird Biscuit, 15c; 2 for.....	.25
French's Canary Tint.....	.25
French's Mite Powder.....	.25
French's Coloring Paper.....	.25
French's Nestling Food.....	.30
French's Nestling Hair.....	.10
French's Bird Ointment.....	.25
French's Song Restorer.....	.20
French's Bird Tonic.....	.25
French's Bird Gravel.....	.15

SIMPSON'S PERFECT BLEND WILD BIRD FEED

4 Ibs.....	\$0.25
9 Ibs.....	.50
20 Ibs.....	1.00
25 Ibs.....	1.15
50 Ibs.....	2.25
100 Ibs.....	4.25

SPRATT'S BIRD SUPPLIES

Spratt's Bird Tonic.....	\$0.25
Spratt's Canarydine (asthma).....	.25
Spratt's Color Food.....	.25
Spratt's Egg Flake and Fruit.....	.25
Spratt's Nestling Food.....	.15
Spratt's Song Restorer.....	.25
Spratt's Sing-Song, 15c; 2 for.....	.25

Hendryx Bird Cages

Prices include packing for shipment, but do not include carrying charges.

ROUND BRASS CAGES

The No. 274 Series is the most popular of all cages. The screen guards keep all seed and litter off the floor and make birds a pleasure rather than a nuisance. Prices include perches and cups complete.

No. 274, 10 $\frac{1}{2}$ inches diameter, 15 $\frac{1}{2}$ inches high.....	\$3.50
No. 275, 11 inches diameter, 15 $\frac{1}{2}$ inches high.....	3.75
No. 276, 11 $\frac{1}{4}$ inches diameter, 17 $\frac{1}{4}$ inches high.....	4.20

The No. 2274 Series has the same diameter as the No. 274, and is similar in every way except for the pedestal base. This cage has a better appearance when used with a stand.

No. 2274, complete with cups and perches.....	\$3.50
No. 2275, complete with cups and perches.....	3.75
No. 2276, complete with cups and perches.....	4.20

Special Enameled Cages. The No. 165 Series seems to be the most in demand of all enameled cages. They are well made, light but substantial, white, with green trimming.

No. 165—9 $\frac{1}{2}$ in. x 6 $\frac{1}{2}$ in. x 12 $\frac{1}{2}$ in. high. Each.....	\$2.00
No. 166—10 $\frac{1}{2}$ in. x 6 $\frac{1}{2}$ in. x 13 $\frac{1}{2}$ in. high. Each.....	2.70
No. 167—11 in. x 7 $\frac{1}{2}$ in. x 14 in. high. Each.....	3.00
No. 168—12 $\frac{1}{2}$ in. x 8 $\frac{1}{2}$ in. x 14 $\frac{1}{2}$ in. high. Each.....	3.25

Hendryx Stock Cages. Each cage equipped with drawer base and four large feed and water dishes. Excellent for young birds. Before much progress is made in bird breeding it will be found necessary to have a good breeding cage and a stock or flight cage. Young birds should have plenty of room and require a large cage for exercise.

No. 81—16 in. high, 16 in. long, 9 $\frac{1}{2}$ in. wide. Each...	\$6.00
No. 82—18 in. high, 17 $\frac{1}{2}$ in. long, 10 $\frac{1}{2}$ in. wide. Each...	6.50
No. 83—20 in. high, 20 $\frac{1}{4}$ in. long, 12 in. wide. Each...	7.00

Bird Cage Stands. An attractive stand is an ornament in any home, and makes it possible to keep birds in light, sunny locations not always possible where cages are hung on brackets or ceiling hooks.

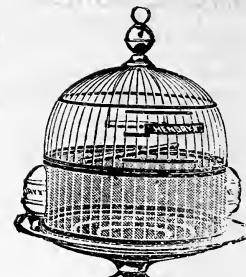
No. 29, polished brass, single loop.....	\$3.60
No. 30, polished brass, full loop.....	4.50
No. 31, polished brass, single loop.....	3.15
No. 32, polished brass, full loop.....	4.15
No. 3728, polished brass, single loop.....	3.40

No. 3729, polished brass, full loop...	4.50
No. 3730, polished brass, single loop...	3.25
No. 3731, polished brass, full loop...	4.25

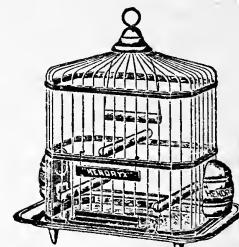
No. 3747, polished brass or 2-color combination, single loop.....	2.70
No. 3748, polished brass or 2-color combination, full loop.....	2.90

"Hendryx" Breeding Cages. Each is equipped with a solid partition, a wire partition, two nests and four large feed and water dishes. A breeding cage is very necessary in mating canaries to insure success.

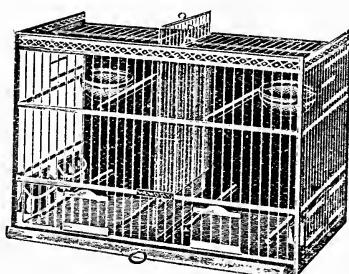
No. 86S—14 inches high, 17 $\frac{1}{4}$ in. long, 8 $\frac{3}{4}$ in. wide, \$5.50 each.	
No. 86—14 $\frac{1}{2}$ in. high, 19 $\frac{1}{2}$ in. long, 10 in. wide, \$6.00 each.	
No. 87—16 $\frac{1}{4}$ in. high, 22 in. long, 11 in. wide, \$6.50 each.	



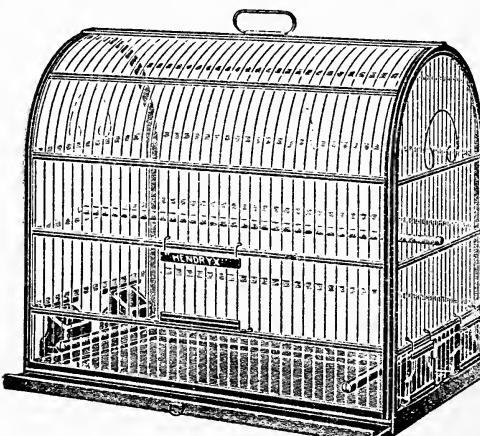
No. 274 Series



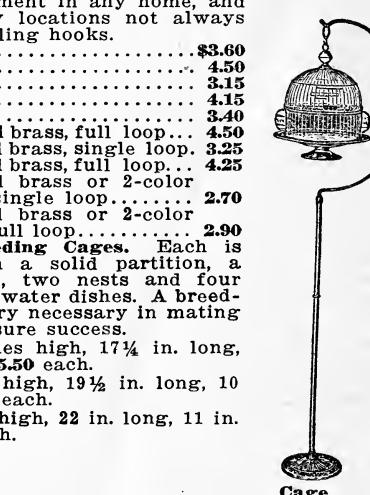
No. 165 Series



Breeding Cage



Hendryx Stock Cage



Cage Stand

No. 88—17 in. high, 24 $\frac{1}{2}$ in. long, 12 $\frac{1}{2}$ in. wide, \$7.00 each.

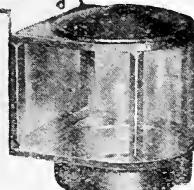
Extra nests 15c each. These cages have a slide bottom, making it easy to clean without disturbing birds.



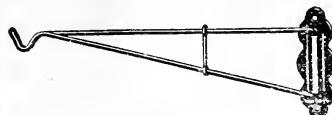
No. 2274 Series Cage

MISCELLANEOUS BIRD SUPPLIES

ADD POSTAGE WHEN
WANTED BY MAIL



Delta Bath House



Bracket



Style O



No. 1904

Each

\$0.15

.60

.75

.25

.20

.35

.35

.20

.25

.15

.65

.75

1.00

1.25

.15

.15

.15

.26

.50

.10

.75

.10

.40

.50

.15

.10

.25

.25

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.10

.35

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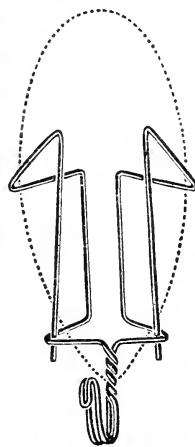
No. 16-160



No. 140



No. 1916



Cuttle Bone Holder

Bath Dishes. Oval, glass or porcelain.....	\$0.15
Bath Houses, Delta. White.....	.60
Bath Houses, Delta. Colored green, blue, red or orange.....	.75
Birdie Baths. Hang inside cage door, fold up when not in use.....	.25
Bird Whistles. Celluloid, teach birds to sing.....	.20
Bird Books. Canary Breeding and Training.....	.35
Bird Books. Feathered Pets.....	.35
Swinging Brackets. 10 in. brass or nickel plated.....	.20
Swinging Brackets. 12 in. brass or nickel plated.....	.25
Cage Bells. Canaries like them; 2 for 25c.....	.15
Cage Covers. Fancy colored cretonne.....	.65
Cage Covers. Fancy colored satin.....	.75
Cage Guard Cloths. Fancy colored cretonne.....	1.00
Cage Guard Cloths. Fancy colored satin.....	1.25
Cups for seed and water, "single point," 2 for 25c.....	.15
Cups for seed and water, style "O," 2 for 25c.....	.15
Cups for seed and water, No. 1904, 2 for 25c.....	.15
Cups for breeding cages, No. 1916.....	.26
Cups for parrot cages, tinned cast iron, self-locking spring.....	.50
Treat Cups (small food holders), fit in any cage between the bars. .80c doz.; 3 for 25c.....	.10
Crystal Fountain , fits any cage.....	.75
Cuttle Bone Holders.....	.10
Guard Wire , keeps bird from scattering seed— 3½ in. cut to order. Per foot.....	.40
5 in. Per foot.....	.50
Nests , tinned wire. 2 for 25c.....	.15
Nest Eggs , closely imitate a canary egg. 3 for 25c.....	.10
Nesting Hair , white or brown. Per pkg......	.10
Leg Bands for Canaries. 2 for 5c; doz......	.25
Perches , tapered, set of three for.....	.25
Perch Material , proper size, 3 foot length.....	.10
Powder Guns , empty.....	.15
Powder Guns , filled with insect powder.....	.25
Springs , solid brass, No. 140, for stands.....	.15
Springs , brass, with 2 foot ladder chain, adjustable.....	.30
Springs , solid brass, No. 16.....	.15
Springs , brass plated, No. 160.....	.10
Swings , for round brass cages.....	.35
Swings , for brass or enameled cages.....	.15

VEGETABLE PLANTS AND ROOTS

GET EARLY RESULTS BY PLANTING THESE ONCE TRANSPLANTED,
WELL HARDENED OFF PLANTS

NOTE: The use of HOTKAP PROTECTORS will permit earlier planting and save your tender plants from frost damage. Ask for descriptive folder. HOTKAPS, per doz. 30c; postpaid 35c; 100 for \$1.50; postpaid \$1.65.

ASPARAGUS ROOTS. Early Mary Washington Rust-Proof. 2 year roots. Doz. 45c; per 100 \$1.50, postpaid.

CABBAGE PLANTS. Early varieties, ready in April. Doz. 25c; 100 for 75c, postpaid.

Late varieties, ready in May. Doz. 20c; 100 for 65c; 1,000 for \$4.50, postpaid.

CAULIFLOWER PLANTS. Ready in April. Doz. 25c; 100 for 75c; 1,000 for \$6.50, postpaid.

CELERI PLANTS. Ready in June. Doz. for 15c; 100 for 50c; 1,000 for \$3.50, postpaid.

EGG PLANT PLANTS. Doz. 40c; 100 for \$1.50, postpaid.

MINT ROOTS. Each 25c; doz. \$2.00, postpaid.

MUSHROOM SPAWN. Brick 35c; 5 for \$1.50, postpaid.

ONION PLANTS. Crystal Wax, Yellow Bermuda or Velencia. Per 100 25c; per 1,000 \$1.50; crate of 6,000 for \$6.00, prepaid.

PEPPER PLANTS. Ready in May. Doz. 35c; 100 for \$1.20, postpaid.

TOMATO PLANTS. Ready in May. Doz. 30c; 100 for \$1.00, postpaid.

"DIBBLES" for Transplanting—See page 33.

ANNUAL FLOWER PLANTS

Each year we have many calls for started plants, something that will produce flowers quickly, thus saving several weeks' time over the usual method of planting the seed.

The plants listed below are all popular favorites and may be used in beds, for mass planting, or for borders. This stock is ready about April 1st and may be supplied as late as June 20th. Seedlings are naturally not as easily transplanted as plants out of pots, and for that reason we suggest planting as soon as danger of frost is over and before very hot weather begins.

Express shipments are advised. If wanted by mail, add 20% for postage. If too much postage is sent, we will refund at time of shipment.

SEEDLINGS

All seedling plants are grown in flats, once transplanted and have good root systems. When advisable we will cut back to induce a spreading growth before shipping. 50 at the 100 rate.

	Per Doz.	Per 100
ALYSSUM, Sweet	\$.60	\$4.00
ASTER, Giant Branching Comet strain, separate colors, Crimson, Lavender,		
Pink, White, Purple, Light Blue.....	.50	3.50
ASTER, Mixed colors, same variety.	.35	2.50
CALENDULA, Mixed colors.	.60	4.00
CARNATIONS, Mixed colors.	.60	4.00
LARKSPUR, Mixed colors.	.60	4.00
LOBELIA, Dwarf	.60	4.00
LOBELIA, Trailing	.60	4.00
MARIGOLDS, Mixed colors, Dwarf French.	.60	4.00
MARIGOLDS, Mixed colors, Tall African.	.60	4.00
MYTLE, Hardy perennial creeper.	Each 25c;	2.50
PANSIES. Wonderful assortment of giant type.	.50	3.50
PETUNIA, Rosy Morn	.60	4.00
PETUNIA, Dwarf mixed	.60	4.00
PETUNIA, Single giants	.60	4.00
PHLOX, Mixed colors.	.60	4.00
SALPIGLOSSIS, Mixed colors.	.60	4.00
SALVIA, Splendens, red.	1.00	6.00
SNAPDRAGONS, Mixed colors.	.60	4.00
STOCKS, Mixed colors.	.60	4.00
VERBENAS, Mixed colors.	.60	4.00
ZINNIAS, Mixed colors.	.60	4.00

POTTED PLANTS

Six at the dozen rate. Shipped with soil on roots and carefully wrapped after removing from pots. In planting, always keep ground well soaked with water until roots have taken hold.

	Each	Per Doz.
ALYSSUM, Sweet, from 2-in. pots.	\$.10	\$.75
ASPARAGUS, Springerii, from 3-in. pots.	.20	2.00
From 4-in. pots.....	.30	3.00
CANNAS, from 4-in. pots, assorted.	.30	3.00
COBAEA SCANDENS, rapid climber, from 4-in. pots.	.30	3.00
COLEUS, Assorted colors, from 2½-in. pots.	.10	1.00
From 4-in. pots.....	.30	3.00
GERANIUMS, colors, red, pink or white, from 3-in. pots.	.20	2.00
From 4-in. pots.....	.25	2.60
HELIOTROPE, from 3-in. pots.	.20	2.00
From 4-in. pots.....	.30	3.00
PINKS, California, from 2-in. pots.	.10	1.00
From 3-in. pots.....	.20	2.00
IVY, English, climber, from 3-in. pots.	.20	2.00
LOBELIA, Dwarf, from 2-in. pots.	.10	.75
LOBELIA, Trailing, from 2-in. pots.	.10	.75
MARGUERITES, Single White, from 3-in. pots.	.20	2.00
MARGUERITES, Yellow, from 3-in. pots.	.20	2.00
From 4-in. pots.....	.25	2.50
PETUNIA, Rosy Morn, from 2½-in. pots.	.10	1.00
Single Giants, from 3-in. pots.....	.20	2.00
Double, assorted colors, from 3-in. pots.....	.25	2.60
SALVIA, from 3-in. pots.	.20	2.00
From 4-in. pots.....	.25	2.60
SNAPDRAGONS, assorted colors, from 2-in. pots.	.10	.75
From 3-in. pots.....	.20	2.00
VERBENAS, assorted colors, from 2-in. pots.	.10	1.00
From 3-in. pots.....	.20	2.00
VINCAS, Vines for porch boxes, from 4-in. pots.	.25	2.60

NOTE—All of the above potted plants are ideal for Porch or Pillar boxes as well as for bedding out. They are practically matured when you get them, start blooming at once, and continue throughout the season.

SPECIAL ASSORTMENT OF TABLE FERNS

Suitable for indoor ferneries, porch boxes or outdoor planting through the summer.

Out of 3-in. pots. Each 20c; doz. \$2.00, postpaid.

Simpson Seed and Floral Co.
Denver, Colo.

Gentlemen:

I wish to thank you for your selection of ferns. I am very much pleased with them. They arrived in good shape.

Sincerely yours,

(Signed) Mrs. H. W. Houf.

ORDER SHEET

Simpson Seed & Floral Co.

1551 Champa Street

Denver, Colorado

Terms: Cash with order. Money may be sent by Postoffice Money Order, Express Money Order, Bank Draft, or Personal Check. Amounts up to \$2.00 may be sent in 2-cent stamps.

When ordering items that are not priced "Postpaid" please include postage at regular zone rates (see page 52). We do not advise C. O. D. shipments because of the 17c collection charge made by the Postoffice Department.

Date..... 193.....

Please forward the following articles to:

Name _____

Postoffice _____

County..... **State.....** **Amount Enclosed**

Send by _____ *Fee* _____

(Mail, Express or Freight)

FROM _____

SIMPSON SEED & FLORAL CO.

1551 CHAMPA STREET

**DENVER,
COLORADO**



Now used
by more than
3,000,000
homes.



Clean
odorless
easy to use
economical.

Beautify Your Home

Nothing adds greater beauty to a home than a velvety-green lawn, colorful flowers, luxuriant shrubs, and healthy, full-foliaged trees. To produce and maintain beautiful home surroundings, feed everything you grow with a complete, balanced plant food. Vigoro, the complete, scientifically balanced plant food, contains all the nourishment needed for maximum growth and beauty.

Prices	
100-lb. bag	\$ 6.00
50-lb. bag	3.75
25-lb. bag	2.00
5-lb. pkg.	.60
12-oz. pkg.	.10

F. O. B.
DENVER

Complete directions
in every bag.

VIGORO
Complete plant food

A product of
Swift & Company



For Lawns, Gardens, Flowers, Shrubbery, and Trees

ENJOY BETTER LAWNS, FLOWERS AND GARDENS BY USING VIGORO CLEAN, ODORLESS, EASY TO APPLY

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery, and stately trees. You can enjoy these beauties of nature if you use good seed, plants, bulbs and the right plant food. The right plant food is important because plants must be fed the same as human beings.

VIGORO provides an economical, practical, and effective way to secure finest results. Economical because the cost is only 10c to 20c for every 100 square feet. Practical because it is clean, odorless, easy to apply—can be sown by hand like grass seed or applied with an ordinary kitchen colander. Effective because it contains all of the elements of plant food required to produce early, vigorous growth, and bring fruit, flowers and foliage to full development.

Complete directions in every bag.
See page 30 for further description.

Spreaders for Vigoro are illustrated and described on
page 35.

SWEET PEAS

WORLD'S FINEST ORCHID
FLOWERING SPENCER TYPE

SWEET PEAS are worth a little extra care and attention. Their large butterfly-like blossoms in the most exquisite shades and colors appeal to every flower lover. The soil should be well worked up to a depth of 12 inches and the seed planted 4 to 6 inches below the ground surface just as soon as the soil is warm enough to cause germination. Cover seed about 2 inches at time of planting and water thoroughly. For best results use NITRAGIN inoculation. A 25c can is ample for the average planting. Complete directions on can. See page 30.

When sprouts are an inch or so out of the ground, gradually fill in trench until level with surrounding surface. Irrigate frequently but when in bloom do not spray blossoms during the heat of the day.

After blooming begins, fertilize with VIGORO plant food and keep flowers picked as much as possible. Allowing blooms to wither on the vine tends to cause setting of seed pods too early.

NAMED VARIETIES

of

Summer Flowering SPENCERS

Of the hundreds of varieties, many are duplications. We have selected the favorites of each color and recommend the following—all grown by BURPEE, the world's foremost grower.

Barbara. Lovely soft salmon, very large.

Blue Stone. A striking new blue. This variety deserves a generous space in your garden.

Brilliant. Brilliant cherry-cherise, a Sweet Pea of unusual beauty.

Cherub. Rich, creamy yellow, edged with pink.

Crimson King. A rich, deep crimson, the best red, does not burn.

Fordhook Orange. Glistening orange, the best orange produced.

Giant Attraction. Large, shell pink.

Guinea Gold. Glowing, liquid gold.

Hebe. Large, bright pink, an improvement on Countess Spencer and Hercules.

Joan Rider. The finest white, pure and glistening.

Mrs. C. P. Tomlin. A wonderful fiery red.

Powerscourt. One of the finest lavenders.

Warrior. A rich chocolate maroon.

PRICES—Any of the above separate colors, large packets 10c; $\frac{1}{2}$ oz. 15c; oz. 25c; $\frac{1}{4}$ lb. 65c; $\frac{1}{2}$ lb. \$1.25; 1 lb. \$2.00, postpaid.

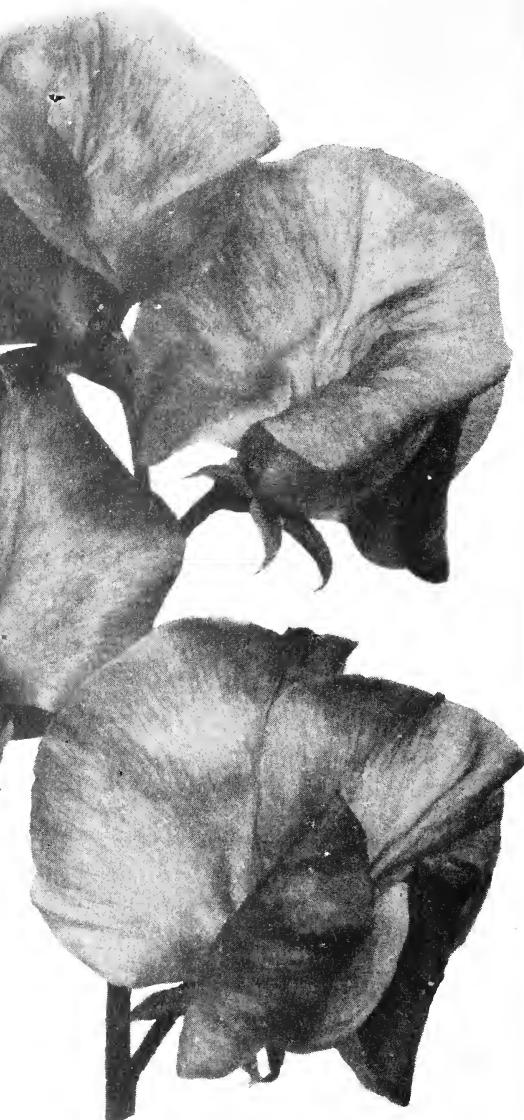
Burpee's Blend

A mixture of all colors of Spencer named varieties listed above.
Large packet 10c; oz. package 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 65c; 1 lb. \$1.25.

SPECIAL OFFERS. ALL POSTPAID.

Ten 10c Packets for 75c

1 each of Blue Stone, Brilliant, Crimson King, Giant Attraction, Hebe, Joan Rider, Mrs. C. P. Tomlin, Powerscourt, Warrior, and mixed.



SIMPSON'S GARDEN & FARM BOOK

SPRING 1931

SIMPSON SEED & FLORAL CO

1551 Champa St.

Phone MAin 2778

Denver, Colo.